CHEMISTAND DRUGGIST

For Retailer, Wholesaler and Manufacturer

SEPTEMBER 26 1964

Dramamine Pro-Banthine These products Aldactonehave all made pharmaceutical Conovi

Registered Trade Mark
Trade Mark



NEW PUSH-BUTTON WARMTH CONTROL

WITH UNIQUE 'HEAT KEEPER'!

Sensational-that's the only word for Ekco's warmth control breakthrough! It's simple, precise, attractive and quick-selling. No thermostats-the secret's in the control. Never before has an electric blanket had warmth controlled as effectively as with Ekco's De-Luxe Push-Button Blankets.

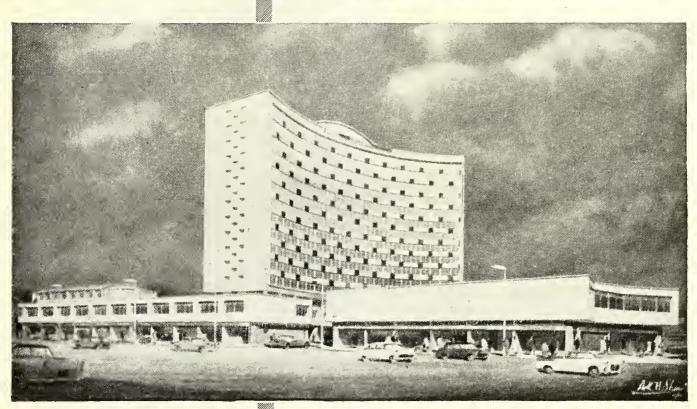
THAT'S NOT ALL—you can also sell the famous Ekco Popular Blankets and the luxury Ekco 'Princess' over and under-blankets with automatic 'Sleep-Sentry' Control.

Stock Ekco electric blankets now cover the market with one brand!





A MOVE IN THE RIGHT DIRECTION



The new address

General
Advertising
Company
of LONDON

and telephone number

Crown House London Road Morden, Surrey

Crown House — the new headquarters of General Advertising

General Advertising Company wish to advise all their friends in the pharmaceutical industry that as from September 28th, 1964, they will be installed in their new modern offices at Crown House, Morden. It is, we are sure, a move in the right direction.

Not only is the accommodation more spacious and the surroundings healthier, but the new environment will enable us to offer increased efficiency to all our clients.

INCORPORATED PRACTITIONERS IN ADVERTISING

MAURICE KEATING, F.I.P.A., S. G. MILLER, M.I.P.A., F. J. SAVAGE, A.M.I.P.A.

TELEPHONE: LIBERTY 5246/8 & 5271/3 (6 lines)
TELEGRAMS: GENERALADS MORDEN SURREY

Direct Northern Line from City and West End to Morden Station - 28 minutes from Charing Cross

A West End office remains at 18 Charing Cross Road, W.C.2, but all enquiries and correspondence should be addressed to Crown House.

TWO NEW DARK SHADES

Color Glo

Dark Brown Sable Rich Brown Sable

These new Dark Shades will sell in a big way to women who want to be brunettes or have deeper, darker, browner hair. They cover grey hair too.



Biggest-Ever Advertising Campaign to open up a new market and boost Color-Glo sales even higher!

* Check your Color-Glo stocks.

*Order the new Dark Shades now ready to meet increased demand from the advertisements for the Dark Shades appearing now. Color-Glo True Semi-Permanents. Harmless. Used straight from the bottle. Need no mixing. No skin test. PRICES

Dark Brown Sable · Rich Brown Sable

Retail at 4/6d. Trade Price per dozen bottles 30/10d. Other Color-Glo shades continue at the existing retail price of 3/10d. Trade price per dozen bottles: 26/3d.





ACTS LIKE MAGIC ON RHEUMATISM, FIBROSITIS ETC.

39 TUBES FOR THE PRICE OF 36 - ONLY 73/2d. - OVER 73% PROFIT -

NON-GREASY MASSAGE CREAM

CARTER BROS. — GLEN LABORATORIES — SHIPLEY

TO ALL CHEMISTS PATON'S NAIL HARDENER

THE successful nail hardener for strong healthy nails

eliminates split and broken nails

* National advertising: Daily Mirror, etc., Radio Caroline, Leading Magazine WOMAN (Nov.), etc., etc. * Counter unit (only 6 bottles). This is a winner. THE ideal counter line. * Retail only 7/- per bottle.

> A proved profit maker for CHEMISTS in seven Countries Simply display a counter unit for prompt and regular sales

ORDER STOCKS

from your Wholesaler or from the makers F. C. Paton (Southport) Ltd., P.O. Box 5, Southport. Tel. 87676

mention your usual Wholesaler, ask for samples for staff
and ask for wonder showcard. Guaranteed a winner

LONDON AREA DISTRIBUTORS — Warren Stanley & Co., Ltd. NORTHERN IRELAND — Hyde &
Entwistle Ltd., Belfast. SCOTLAND — W. & R. Hatrick Ltd., Glasgow or Raimes, Clark & Co., Ltd.,

Edinburgh

You may be using or contemplating the use of . . .

PARACETAMOL

(p-ACETAMIDOPHENOL) B.P. 1963

in certain of your products.

If so, may we suggest you seriously consider unrivalled service and quality we offer.

Samples and technical data are available on request.

Write or phone:-

GRAESSER SALICYLATES LIMITED

SANDYCROFT

CHESTER

PHONE:

TELEGRAMS:

HAWARDEN 3444/7

QUALITY CHESTER.

When your customers ask for



Recommend for Nerves, Health & Energy—Froment has a lovely nutty flavour which everyone enjoys.

Double size (28 oz.) Family Pack only 6/-14 oz. carton 3/3 and 7 oz. carton 1/9 d.

JOHN H. HERON LTD.,
HOOK ROAD MILLS, GOOLE. TEL 1153

INGREDIENTS, APPARATUS, BOOKS

Amateur WINEMAKING Home BREWING

BEST TRADE TERMS GREY OWL LABORATORIES LTD KINGSWOOD BRISTOL

BURROUGH'S JAMES BURROUGH LTD - VAUXHALL ST - LONDON S.E.11

Carter's ANDUVITE

VITAMIN & MINERAL CAPSULES

14 FOR PRICE OF 12 75% PROFIT!!

YOUR COST 70/- ONLY RETAIL VALUE 122/6d. CARTER BROS. - GLEN LABORATORIES - SHIPLEY (Yks)

Restoring ZEST and VITALITY is BIG BUSINESS

You know what a demand there is for "tonics" the year round and specially during the autumn/winter/spring seasons. Hormo-Pharma, makers of OKASA, have specialised in this class of preparation for over 40 years, and sell in over 50 countries throughout the world.

Okasa is in a class of its own; a course of treatment designed to do a thorough regenerating job on the constitution and the nerves. Millions of loyal users in all parts of the world vouchsafe for its effectiveness. It has no competitors.

Our new distribution arrangements in UK are intended to give you prompt service and day-to-day appeal in window displays and other merchandising aids.

OKASA - the 20th Century Tonic

Note the large profit margins
STANDARD SIZE (100 tablets) 24/6

To the chemist 16/4
TRIAL SIZE (50 tablets) 14/9

To the chemist 9/10

OKASA is prepared by Hormo-Pharma Ltd., London, and is obtainable from your wholesaler, or the wholesale department of

ANESTAN LTD

6 ALBEMARLE ST., LONDON, W.I Tel: HYDe Park 2444

NATIONAL ADVERTISING AND YOU

Okasa advertisements are frequently appearing in **Daily Express, Daily Telegraph, Punch, The Field** giving a combined readership of nearly 20,000,000.

Don't waste a profitable opportunity – order your stocks now. Ask for the special leaflet designed to help you turn enquiries into sales.

POINT-OF-SALE MATERIAL ON REQUEST



SMITH & NEPHEW PHARMACEUTICALS LTD. Bessemer Rd., Welwyn Garden City, Herts



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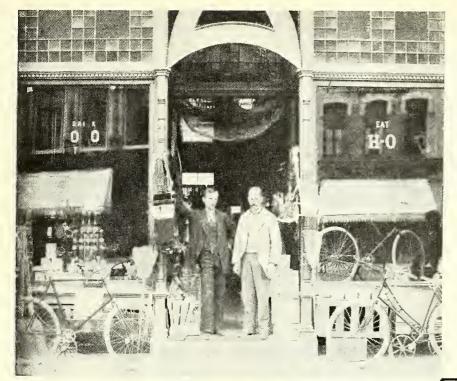
Keep Victory in sight this Autumn



Take advantage of another winning Victory campaign in the national press which will capture even more customers this Autumn.

Win the cold war display Victory V on your counter.





Once upon a time there was no Nordia...

Evolution is taken for granted — Rocket to diesel-electric... Bleriot biplane to supersonic jet... Clipper to Cunarder... penny bazaar to super-store and, some say, modernisation to Nordia-isation. Fixed old shopfittings are changed to handsome flexible new ones and harassed retailers given new heart by the Nordia consultancy service (evolved within a firm which has been doing specialist shopfitting for nearly a hundred years). And our surveys are free!

AORDIA SHOPFITTING SYSTEM

Photo reproduced by courtesy of New York State Historical Assn.

To: NORDIA, 25 Wellington St., Leeds or 94 Baker St., London W.1. Please let me have further information about the Nordia System of Selling.
NAME

CD

15%				
EXTRA DISCOUNT				
ON <u>ONLY</u> 2 OOZEN				
Thermona				

A generous offer, as a 'Thank you' for your efforts in making Thermona the leading Chemistonly topical analgesic.

thermona

*get on to your rep now!

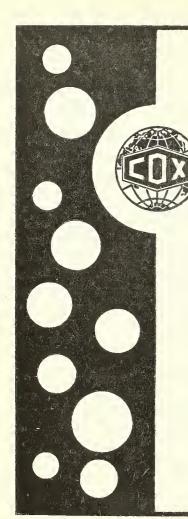
SMITH & NEPHEW PHARMACEUTICALS LTD. Bessemer Rd., Welwyn Garden City, Herts.



ADDRESS.



SEE PAGE 9



Top of the lists! TRIPLE ACTION

GOLD DISCS

the successful treatment for combating

common colds,

influenza chills and headaches

FOIL PACKED . MOST ATTRACTIVE PRESENTATION

showouters of one dozen cartons

Excellent terms and free samples on application

ARTHUR H. COX & CO. LTD.
BRIGHTON, ENGLAND

THE FOREMOST TABLET HOUSE

15% EXTRA DISCOUNT ON ONLY 2 DOZEN

A generous offer, as a 'Thank you' for your efforts in making Thermona the leading Chemistonly topical analgesic.

thermona

*get on to your rep now!

' SMITH & NEPHEW PHARMACEUTICALS LTD. Bessemer Rd., Welwyn Garden City, Herts.

Beauvais

PERFUME ESSENCES

will send you FREE list of tried and tested

FORMULAS

for Shampoos, Setting Lotions, Frictions, Perfumes, Perfumed Colognes, Hand Creams, Cleansing Creams, Astringent Lotion, Bath Salts, Bath Essence, Hair Cream, Scurf and Dandruff Lotion, After Shave Lotion, Hair Lacquer, etc.

Make your own toilet preparations from these easy tried and tested formulas. "Own make" toilet preparations up to £500 p. a. are free of Purchase Tax.

Just fill in your name and address and post to:

BEAUVAIS (C.D.18)

14 High Park Road, Kew Gardens, Surrey.

Name

Address

Address.....

One FREE

for every dozen you order



The new double-strength treatment, specially prepared for adult's coughs. Available in 2oz and 4oz sizes.



The new formula specially prepared for children. Designed for a market that is expanding rapidly.



The only product of its kind—chewable capsules filled with concentrated Antussin liquid. For pocket or handbag.

Four reasons why you should order Antussin now

- 1 NATIONWIDE TV ADVERTISING RIGHT THROUGH THE WINTER
- 2 INDIVIDUAL COMMERCIALS FOR EACH ANTUSSIN PRODUCT
- 3 LAST WINTER'S SPECTACULAR SUCCESS FOR ALL 3 NEW ANTUSSIN PRODUCTS
- 4 BONUS ORDER—ONE FREE IN EVERY DOZEN, DOZEN FREE IN EVERY GROSS

Antussin

PLEASE	SUPPLY	AT 12	FOR 11	RATE

.....doz Children's Antussin 2oz 4/- size
.....doz. Adult's Antussin 2oz 4/6 size

.....doz. Adult's Antussin 4oz 7/6 size

.....doz. Antussin Capsules 24's 4/- size

Minimum order:

4 dozen of any product or combination of products

NAME.....

ADDRESS.....

Send this coupon to your wholesaler or Tobal Laboratories Ltd, Queenborough, Kent. Bonus offer closes 31st October 1964

Halina

VIEWERS AND PROJECTORS



HALINAMAT

2" × 2" AUTOMATIC PROJECTOR

- f2.8/100mm hard coated lens
- Blower cooled
- Manually operated slide change
- Accepts all 2" × 2" slides (Metal, plastic, cardboard etc)
- Double Condensers On/Off switch
- Heat absorbing filter
- Helical focusing

300 watt lamp £1 13, 0

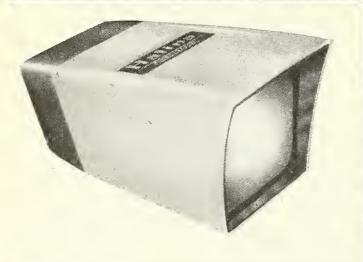


HALINA 2"x2"

TABLE VIEWER

- **■** Extra large CHANCE PILKINGTON lenses
- Hood styling cuts out extra light
- Extra large magnification 2\frac{1}{2} times
- Overall illumination NO HOT SPOT
- Battery operated takes two U11 **batteries**
- Tilts back in standing position

U11 Batteries 5d each



HALINA

AMBASSADOR

- Battery or daylight viewing
- **CHANCE PILKINGTON precision**
- Accepts all 2" × 2" slides NO HOT
- Tilts back in standing position
- Attractive two-tone styling
- Battery operated Takes two U7
 - batteries

19/9

U7 Batteries 8d each

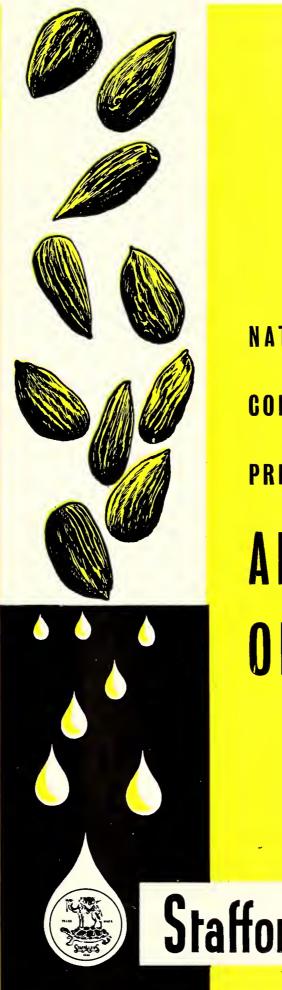
sole distributors to the trade:

J. J. SILBER LTD., 11 Northburgh Street, London, E.C.1 Telephone: CLErkenwell 8031 (10 lines)

Natural Cold Pressed Almond Oil, a StaffordAllenS speciality. Pressed from high quality almonds without any chemical, water, or heat treatment at our works at Wharf Road. For use in hand creams, cosmetics and for pharmaceutical use this natural vegetable oil cannot be surpassed. StaffordAllenS Almond Oil is shipped to most countries of the world. StaffordAllenS also press high quality Apricot Kernel Oil. Samples will gladly be sent on request.

STAFFORD ALLEN & SONS, LTD. WHARF ROAD, LONDON, N.1

Tel: Clerkenwell 1000 Grams: Stafalens, Nordo, London



NATURAL

COLD-

PRESSED

ALMOND OIL

StaffordAllenS

TAS/SA 623

It's good plain selling-sense to display these advertised goods

Customers get the message twice when they see widely advertised merchandise boldly displayed. Give your sales the benefit by choosing your display items for the month from these lines to be advertised in woman's own.

Colour Advertisers in woman's own this month.

Andrex

Aspro (twice)

Astral Cream (twice)

Atkinson's Skin Deep

Atrixo

Color-Glo (twice)

Coty L'Aimant Perfume

Cutex

Delsey Toilet Tissue

Goya Cosmetics (twice)

Grossmith

Harmony Hair Colours

Inecto

Innoxa (3 times)

Izal Soft Tissue

Lifebuoy Soap

Max Factor Eye Make-up

Pears Soap

Reckitt's Wonderset

Revion Face Make-up

Revlon Lipstick & Nail Enamel

Rimmel

Robinson's Baby Cereals

Rosedale Hair Spray

Sunsilk Shampoo

Supersoft Hair Spray

Yardley

Monotone Advertisers in woman's own this month.

Amami Styling Lotion (twice)

Anadin

Aspro

Atrixo

Beecham's Pills (twice)

Beecham's Powders (4 times)

Bengers (twice)

Bonomint (twice)

Calypso

Carter & Sons — Cough Cure

Christy's Lanoline Face Pack

Colour-Match

Crystal Products — Slimline

Cuticura

Daisy Powders (twice)

Diamond Voss Nail Strengthener

Elnett (3 times)

Endocil (3 times)

Energen Foods

E. P. Tablets

Eylure — Nail Builder

Famel Cough Linctus

Fenjal

Fix

Gerber Baby Foods (3 times)

Germolene

Germoloids (3 times)

Glaxo — Complan (twice)

Glaxo — Farex Glaxo — Ostermilk (twice) Hall's Wine Harrington's Napkins **Heinz Baby Foods** (twice) Hermesetas Hiltone Innoxa Johnson & Johnson **Baby Products** Johnson & Johnson **Cotton Buds** Johnson & Johnson Petroleum Jelly Junior Disprin **Lifebuoy Toilet Soap** (twice) Lucozade Marigold Baby Pants (twice) Maw's Teats Mene Moorlands Indigestion Tablets (twice) Norman Hartnell Cosmetics (twice)

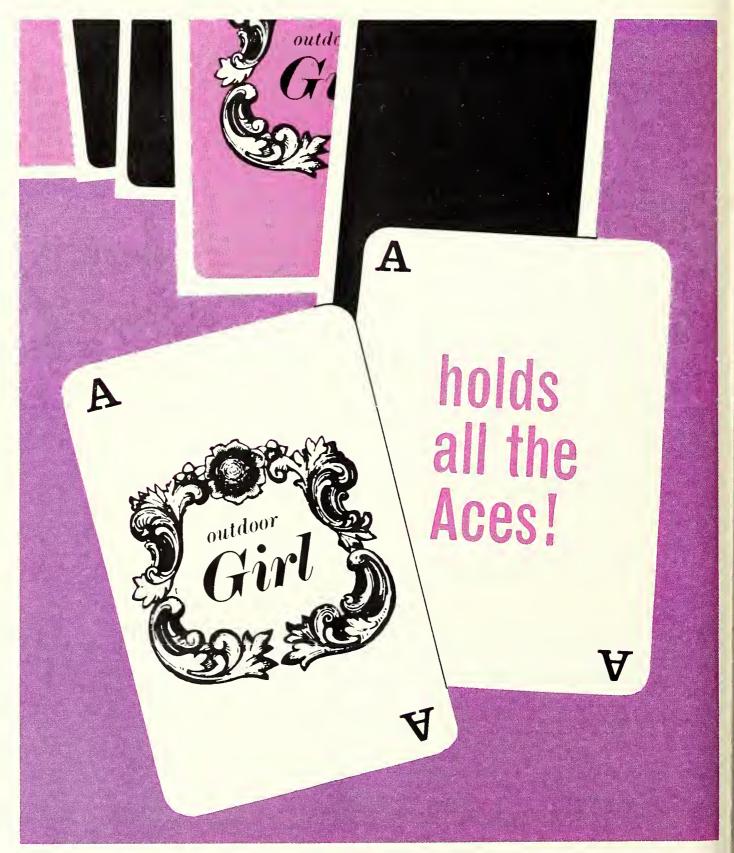
NuNale Nurse Harvey's Mixture Oil of Ulay (3 times) Optrose Rose Hip Syrup **Ovaltine** Paddi & Paddi Pads Phensic Phillip's Tonic Yeast (twice) Pin-up Plix Sanatogen Tonic Wine Saxin (twice) Slimasoup (twice) Soir de Paris Spray Tint Suba-Seal Hot Water Bottles Tampax (twice) Tint 'n Set Toni Home Perm (twice) Twink (twice) Val-pak Vick Vapour Rub (twice) Veet 'O' Vitapointe

Women trust and *buy* what they see advertised in *woman's own*. Advertisements in *woman's own* sell to more than $7\frac{1}{2}$ million women—well over one in three of all your women customers.

This is the thirteenth Woman's Own Merchandising Bulletin for chemists. The next Bulletin will appear in the October 31 issue of Chemist and Druggist.



If you would like further copies of this Bulletin, or would like to receive them regularly by mail, please write to the Merchandising Manager, Woman's Own Advertisement Department, George Newnes Ltd. Tower House, Southampton Street, London WC2 Temple Bar 4363

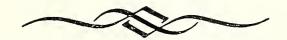


Two New Ace Packs For the Great New Look

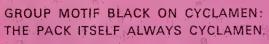
... An entirely new and beautiful look for the entire Outdoor Girl Range. The new engraved scroll motif in two price-and-colour groups reflects the quality and value for which Outdoor Girl has always been known.

NOW IN TWO COMPLETE PRICE SERIES

Easy choice: quick colour distinction.













Both sold together in two ace merchandising units

each taking the minimum space for the maximum return. Free-Standing Unit: 72½" high/ 20½" wide/ 16½" deep. Counter Unit: 17" high/ 273" wide/ 23" deep. Write or phone and a Representative will call.

DISTRIBUTORS: MYRAM PICKER LTD., SURBITON, SURREY. PHONE: LOWER HOOK 5200.

A MEMBER OF THE GALA COSMETIC GROUP LTD.

Ribena News

BUMPER CROP OF BLACKCURR ANTS

It's been a wonderful, wonderful summer—for blackcurrants! We are therefore pleased to pass on the benefits of a truly bumper crop to the trade and the consumer, with the most From 7th September, all Ribena will have special "moneyspectacular Ribena promotion ever mounted.

off" labels featuring:-

6d off the Family Size 4d off the Standard Size

And so the effective price of Ribena is the lowest for nine years!

ALSO!!! A "BUMPER HARVEST" BONUS TO THE TRADE FOR THE PERIOD 7th. SEPTEMBER TO 16th.

Full details from your Beecham Representative or wholesaler. OCTOBER INCLUSIVE. Beecham Food and Drink Division,

Beecham House, Great West Road,

Brentford, Middx.

Tel: ISLeworth 5151.

The new Hanimex Hanomat Auto 500.

Fully automatic 35mm slide projector. Distinctively styled low line die cast body, superbly efficient and irresistibly priced. At £25.19.6 complete with remote control, 10ft. extension lead + magazine, the Hanomat sets a great new standard. Compare it - you'll agree.



Technical Specification

Push button automation
500 watt illumination
f2.8—100mm coated lens
Aspherical/Plano convex
optical system
Micro focusing control
Two way adjustable reflector
Accepts all slides up to 4x4cm.
12 blade impeller cooling
Finger tip elevation

Order to	Han	ımex.
----------	-----	-------

Please Supply

Hanimex Hanomat Auto 500
Projector (s) at £25.19.6 complete
Hanimex Hanomat Semi Auto 500
Projector (s) at £17.19.6
500 watt 240v Atlas Tru Focus A1/205
Projector Lamp at £2.15.0

Dealers name and address					
					

Signature

.....and for the customer with a little less to spend; the new Hanimex Hanomat Semi-Auto 500

Same distinctive styling; same superb efficiency and same great Hanimex value; £17.19.6 with magazine.



Powerful advertising support, 11" x 3 columns in Sunday Express, Daily Express and Sunday Times. Amateur Photographer + full photo press coverage. Colourful point of sale displays, descriptive leaflets, line blocks for your advertising—free on request.

Postage will be paid by Licensee

BUSINESS REPLY CARD Licence No. SE 2161

HANIMEX
42 LOWER MARSH
LONDON SEI

No Postage Stamp necessary if posted in Great Britain or N. Ireland

Both models also available from your local wholesaler



HANIMEX

UP THE INDEPENDENTS

In this progressive age Mr. Smith — like many in his profession—is effectively demonstrating that the day of the multiples is also the day of the modern independent chemist. Along with them he flourishes. Mr. Smith knows what he is about. He offers his own distinctive prand of service. His customers—and they are many—like it. They like his friendly interest, his sound advice, his personal attention.

Mr. Smith is proud to be an independent chemist — proud of his good name. He prints it — J. Smith, M.P.S., etc. — on his counter satchels, selecting a design to suit his business and his taste. A very discreet, very effective reminder of his personal service — and very inexpensive too.





A postcard will bring a wallet of 40 samples with prices from which to make your choice.

Macdonald & Son Limited

PORTLAND MILL, ASHTON-UNDER-LYNE, LANCS. ONE SALISBURY SQUARE, FLEET STREET, LONDON, E.C.4



THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

THE WEEKLY NEWSPAPER FOR PHARMACY and all sections of the drug, pharmaceutical, fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and of the Pharmaceutical Society of Northern Ireland

Volume 182

September 26, 1964

No. 4415

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PUBLISHED BY

MORGAN BROTHERS (PUBLISHERS), LTD., at 28 Essex Street, Strand, London, W.C.2

Telephone: Central 6565

MEMBER OF THE AUDIT BUREAU OF CIRCULATIONS

MORGAN BROTHERS (PUBLISHERS), LTD. 1964

GLASGOW: 160 Nether Auldhouse Road, S.3. Phone: Langside 2679. LEEDS, 16: 32 Wynford Rise, West Park. Phone: Leeds 67 8438.

ANNUAL SUBSCRIPTION

which includes The Chemist and Druggist Diary and Year Book, £3 10s. Single copies 1s. 3d. each (postage 5d.).

ANOTICE TO ALL EMPLOYERS

The First Aid Order 1964 makes it compulsory for all working premises to provide certain First Aid equipment.

JOHNSON & JOHNSON (Gt. Britain) Ltd. have produced kits to meet these requirements. They are available through the pharmaceutical retail trade.

KIT 1

This covers 1 to 10 people, working in general offices and shops. Price: 13s. 6d.

KIT 2

This covers three categories: (a) 11 to 50 people working in general offices and shops. (b) 1 to 10 people working on railway and fuel premises. (c) 1 to 50 people working in butchers' shops and places where machinery for cutting, sawing, etc., is in use. Price: **29s. 9d.**

KIT 3

This covers the following categories: (a) 51 to 150 people working in general offices and shops. (For every additional 150 people another identical kit is added.) (b) 11 to 50 people working on railway and fuel premises. (c) 51 to 150 people working in butchers' shops and places where machinery for cutting, sawing, etc., is in use. (For every additional 150 people another identical kit is added.) Price: **72s. 6d.**

KIT 4

This covers 51 to 150 people working on railway and fuel premises. (For every additional 150 people another identical kit is added.) Price: 113s. 6d.

For further information about these kits, please write to JOHNSON & JOHNSON (Gt. Britain) Ltd., 260 Bath Road, Slough, Bucks.

Volume 182

SEPTEMBER 26, 1964

No. 4415

Poisons List and Rules

CHANGES EFFECTIVE OCTOBER 1

AMENDMENTS have been made to the Poisons List and Poisons Rules. They take effect on October 1.

The Poisons List (No. 2) Order 1964 (H.M. Stationery Office, price 1s.) extends Part 1 of the Poisons List to include "ethionamide" and "derivatives of mercaptopurine; their salts." Another new entry is "Propylhexedrine; its salts." A number of changes in nomenclature have also been carried out, without altering the effect of the controls. The original item "4-Hydroxymethyl - 2,2 - diisopropyl - 1: 3-dioxolan" has been replaced by its open name "promoxolan." "N-[2-(N-methylphenethylamino) propyl] propionanilide; its salts" becomes "diampromide; its salts," and "Tri-(1-aziridinyl)-1,4 benzoquinone" changes to "Triaziquone." The same changes in nomenclature have been included in the Poisons (No. 2) Rules, 1964 (H.M. Stationery Office, price threepence). Opportunity has also been taken to correct a spelling mistake that occurred in the previous Rules (see C. & D., May 1, p. 473 and 476). The entry "Prothypendyl; its salts" has been replaced by "Prothipendyl; its salts" in Schedule 4. Other changes are:—Derivatives of mercaptopurine are to be included in Schedules 1 and 4A and ethionamide in Schedule 4B. Propylhexedrine; its salts; except when contained in inhalers are also to be controlled under Schedule 4B. The main changes may be indicated as follows:—Ethionamide P1. S4B (Trescatyl, Trescazide). Derivatives of mercaptopurine; their salts P1, S1, S4A (Imuran). Prothipendyl; its salts P1, S4B (Phenotropin, Tolnate.) Propylhexedrine; its salts P1, S4B (Reccept when contained in inhalers (Benzedrex inhalers) P.1).

Shops Legislation

CHAMBER OF TRADE'S SUBMISSION

IN response to the invitation issued by the Home Office the National Chamber of Trade has submitted a memorandum on shops' legislation. The memorandum states that a special committee which had looked into the matter found a need to repeal the 1950 Act and replace it as being "out of date and unsuitable to modern shopping needs, vexatious and impracticable in many respects, complicated by a long series of exemptions included to ameliorate the difficulties of a bygone age, and

cluttered with provisions for local orders of every conceivable type." Any new Act should, it is urged, be easily understood and confidently enforced. The number of scheduled exemptions should be reduced and the provisions for local orders excluded. Proposals which the Chamber makes for new legislation include: Freedom of the individual retailer to choose which halfday should be selected; abolition of all existing local orders under the Act; no change in present general closing hours, but an end to powers of local authorities to fix time and day of late night; and mobile shops to be subject to the same legislation as shops under Section 74 of the present Act. On Sunday trading the Chamber believes that

a drastic revision of the law is urgent and essential.

Economics of Drugs

A.B.P.I.'S EXPLANATORY BOOKLET

EXPENDITURE on National Health Service medicines has risen less than on other things. The rise for pharmaceuticals was 95 per cent. between 1952 and 1962, against 16 per cent. rise for both education and housing, 131 per cent. for police services; 122 per cent. for refuse disposal and 106 per cent. for fire services. Only the railways, with their deliberate non-expansionist policy, showed a substantially smaller rise (46 per cent.). Those facts are given in a leaflet published by the Association of the British Pharmaceutical Industry on September 17, which also mentions that the value of the industry's production has increased more than tenfold since 1935, and the total sales by the industry in 1962 exceeded £192 millions, N.H.S. accounting for about one-third of the sales, and exports (£55 millions) for about one-quarter. Research expenditure in Britain alone is

equivalent to 2s. 4d. for every £1 the industry received from N.H.S., while world - wide research cost was in excess of £100 millions — or more than the total National Health Service expenditure on medicine.

DISTILLING ENGLISH PEPPERMINT: This year's warm dry sum-mer has suited the peppermint crop, and a good yield of quality oil is expected from the harvest recently gathered at the Long Melford, Suffolk, farm of Stafford Allen & Sons, Ltd. The wilted peppermint herb is seen here being lifted by means of a movingbelt elevator into the main chamber of a still at the company's nearby works. Ap-proximately 22 cwt. of herb is used for a charge and, after packing down, distillation continues for about six hours, though most of the oil comes off within the first two or three hours.

Pharmaceutical Society

MEETING OF COUNCIL IN EDINBURGH

A SPECIAL meeting of the Council of the Pharmaceutical Society was held at the Scottish headquarters of the Society, 36 York Place, Edinburgh, on September 17. The president (Mr. C. W. Maplethorpe) presided. Members were welcomed by the chairman of the Scottish Executive (Mr. J. W. Goodchild). The meeting was called to receive a report from the secretary and registrar on any observations received by him to amend the by-laws relating to the proposed new fees in accordance with the notice published in the Society's journal on July 4, and to confirm the proposals. The secretary and registrar reported that two communications in respect of the proposed amendment of the by-laws had been received. They were considered by the meeting and the proposals were then confirmed.

Drug Trial Payments

A COMPANY'S PROPOSALS CRITICISED

AN approach by a pharmaceutical company to general practitioners in Glasgow, asking them to take part in a clinical trial for payment, is being referred to the Scottish Home and Health Department by the Glasgow Executive Council. The Council's medical committee described the approach as "commercialism in the guise of clinical research" and "a request to doctors to act unethically in submitting records of a patient's condition to a so-called research group." The Council agreed that the offer of payment doctors to order the drugs was liable to be misinterpreted. The company concerned (Pfizer, Ltd., Sandwich, Kent) state that the proposed trial would involve a simple comparison of lung function in bronchitic patients being administered tetracycline or rondomycin, the drugs being supplied by the company. Practitioners would be asked to complete a card on each patient included in the trial and for the work involved they would receive a fee of £2 2s. The company points out that the College of General Practitioners agrees that "out-ofpocket" expenses should be paid to doctors taking part in trials and it is suggested by the company that the sum proposed is not excessive "for a whole winter's work."

National Health Service

ADVICE ON MANAGEMENT EFFICIENCY

THE Ministry of Health announces that membership of the reconstituted Advisory Committee for Management Efficiency in the National Health Service is as follows:—Chairman: A. M. Hudson Davies, Esq., O.B.E., M.A. (director, Pilkington Bros., Ltd.). Members: Professor G. A. Barnard (professor of mathematical statistics, Imperial College of Science and Technology; President, Operational Research Society); C. Bartlett, C.B.E., R.M.N. (former chairman, General Council of the T.U.C.); J. E. Bolton, D.S.C., M.A. (deputy chairman, Solartron Electronic Group, Ltd., chairman-elect, Council of the British Institute of Management); G. Bowden, F.H.A. (secretary, Wessex Regional Hospital Board); Professor T. E. Chester (professor of social administration, University of Manchester); G. H. Clarke, O.B.E., F.C.A. (treasurer, N.E. Metropolitan Regional Hospital Board); Dr. J. O. F. Davies (senior administrative medical officer, Oxford Regional Hospital Board); Mr. D. A. Sanford (consultant surgeon, Sunderland General Hospital); Miss M. Scott Wright, M.A., Ph.D., D.M.S.A., S.R.N., S.C.M. (deputy matron, St. George's Hospital, Matron-designate, the Middlesex Hospital).

Thalidomide Deformities

SURVEY RESULTS PUBLISHED

RESULTS of a survey of children born with limb and other deformities between January 1, 1960, and August 31, 1962, have shown that deformities attributable to thalidomide are considerably fewer than previous surveys had suggested. The report, "Deformities Caused by Thalidomide" (H.M. Stationery Office, price 6s. 6d.) suggests that, of 894 children covered by the survey, there were between 200 and 250 that have limb deformities resulting from thalidomide, and a further fifty have other deformities. In the preface to the report the Chief Medical Officer, Ministry of Health, writes "The small compensations the incident has brought within our health services are in the improved control of drugs, a better understanding of some factors in the ætiology of congenital defects, and acceleration of progress in develop-ing artificial limbs. With none of these developments can we yet be satisfied, but effort continues."

"The Pill"

PHARMACISTS' ATTITUDE QUESTIONED

THAT many pharmacists were slow to take advantage of the potential sales of "the pill" was argued by Mr. R. A. Hardt (director of public relations, G. D. Searle & Co., U.S.A.), when he met the pharmaceutical Press and organisations in London on September 18. Mr. Hardt pointed out that less than 10 per cent. of the output of oral birth-control tablets were supplied through birth-control clinics, the rest being through pharmacies. Inquiries received made it obvious that many pharmacists were unable to answer basic queries on the subject which, as professional men, they ought to be able to do even though supplies to the public were on prescription only. A note on Mr. Hardt's career appears on p. 321.

Cosmetic Advertising

ADVERTISING ASSOCIATION LEAFLET

THE latest in the series of Advertising Association leaflets for the guidance of advertisers deals with the acceptability of claims made in advertisements for cosmetics. In particular the leaflet is concerned to ensure the greatest care in claiming any medical or therapeutic effect of a particular cosmetic, and it points out that any such claim will automatically lead to scrutiny under the British Code of Advertising Practice, and may also bring the product

within the scope of the Pharmacy and Medicines Act, 1941. The leaflet goes on to discuss the nature and the action of the whole range of cosmetic products, including face creams and powders, skin lotions, hair colourings and sprays and sun-tan lotions, and gives detailed guidance on acceptable stan-dards of advertising practice in relation to them. Copies of the leaflet are available from the Association, 1 Bell Yard, London, W.C.2.

IRISH NEWS THE REPUBLIC

Pharmacy Week

PROGRAMME OF EVENTS

AN attractive list of lectures, tours and social engagements has been ar-Week ranged for Irish Pharmacy which opens in Dublin on October 11. The following are among the highlights of the programme:-

Sunday, October 11 Afternoon: Informal reception (4.30 p.m.) at
Montrose hotel, Stillorgan Road, Dublin. Evening: Photographic competition and exhibition.

Monday, October 12

Afternoon: Opening (2.30 p,m.) of new extension to the College of Pharmacy by the Minister for Education (Dr. Hillery), Opening ceremony (3 p.m.) performed by Mr. D. J. Kennelly (president, Pharmaceutical Society of Ireland). Lecture by Professor O. L. Wade on "Drug Safety."

Evening: Annual meeting of the Society.

Morning: Symposium (10.30 a.m.) on "The Economics of General Pharmacy." Speakers Messrs. D. Harrington and H. W. Tomski. Afternoon: Visit to a pharmaceutical manufacturing laboratory. Evening: Dr. R. P. Edkins on "Sustained Action Drugs" (8 p.m.). Tuesday, October 13

Action Drugs (p.m.).

Wednesday, October 14

Morning: Mr. D. J. Kennelly on "A New Era in Poisons' Control."

Afternoon: Visit to Clontarf golf club. Evening: Dr. D. McGrath on "Problems of Alcoholism and Drug Addiction."

Thursday, October 15

Morning: Ladies' cosmetic and fashion show at Royal Hibernian hotel.

Evening: Banquet at Intercontinental hotel.

Friday, October 16

Morning: Closing ceremony (10.30 a.m.).

The symposium and all lectures will take place at the College of Pharmacy, Shrewsbury Road, Dublin, 4.

OVERSEAS NEWS UNITED ARAB REPUBLIC

Arab Pharmaceutical Congress

THE ninth Arab Pharmaceutical Conference has passed a resolution urging the Arab League to set up a permanent office to look after the interests of the profession. The conference recom-mended that Arab-made medicines should be exempt from customs duties and that foreign medicines should be banned if the equivalents were produced in Arab countries. The conference also recommended the creation of an Arab Common Market for medicines, the promotion of the pharmaceutical industry in Arab countries, the exchange of experts among Arab countries in that field and the opening of more pharmaceutical colleges. It was decided to hold the next conference in Jerusalem in 1966. Nine Arab countries and the Arab League sent representatives to the conference.

NEWS IN BRIEF

FIRE destroyed the factory and offices of the Hygenol Co., Ltd., Low Road, Hunslet, Leeds, on September 13.

TECHNICAL collaboration in developing new agricultural chemicals is to be undertaken by Boots Pure Drug Co., Ltd., and Fisons Pest Control, Ltd. An agreement that promising products of research will, in future, become available for development by both companies has just been concluded.

CARDIFF pharmacists are opposing the setting up of health centres in the city. Two are intended for Canton and Bute town and a further one is projected for Rumney. The pharmacists claim that old people and mothers with young children would be inconvenienced owing to the increased distance they would have to travel to centralised surgeries.

An annual travelling scholarship of £75 is being awarded by Arthur H. Cox & Co., Ltd., 93 Lewes Road, Brighton, Sussex, to a student of fine arts at Brighton College of Art and Crafts. Designed to encourage artists at the College and to enable one each year to travel abroad, the first award will be made in 1965. The chairman of the company (Mr. A. Cox) is himself a keen artist.

A GRANT of £20,000 from the Wellcome Trust will enable the University of Melbourne, Australia, to establish a history of medicine section (including a museum) in its new medical library. Another grant, of £7,500, from the same Trust will assist Professor M. Arnott (head of the department of medicine, Queen Elizabeth Hospital, Birmingham) in his research into the circulation of blood in the lungs.

SPORT

Colf

IRISH CHEMISTS' GOLFING SOCIETY. A near-record attendance of fifty members turned up for the second last outing of the season at Clontarf on September 16 to compete for prizes donated by Rybar Laboratories, Ltd. The prizes were presented at a dinner in the club house by the managing director of the company, Dr. M. Ryan. Results: Strokes competition, S. Mulholland (22), 67; C. M. O'Sullivan (19), 67. Bogey competition, S. Carroll (7), 1 up; J. Cullen (13), all square. Best gross score, N. Mockler. Best score on first nine holes, P. McAuliffe, Best score on second nine holes, A. B. Hensey. The final outing of the season will take place at Elm Park, Rathfarnham, Dublin, 16, on October 7 with a competition for the President's trophy. The day will end with a dinner and social.

Manchester Pharmaceutical Golfing Society. A competition was played for the captain's prize at Bramhall golf club on September 9. Results: 1, J. Moffatt, 71; 2, E. M. McIntosh, 72.

1, J. Moffatt, 71; 2, E. M. McIntosh, 72.

ULSTER CHEMISTS' ASSOCIATION, About eighty members of the Guild of St. Albert and St. Gemma turned out for the annual golf outing to Bangor golf club on September 13 when a competition was played for the Brookeborough Cup, presented by Hyde & Entwistle, Ltd., Belfast, Mr. M. C. Mooney thanked the participants for their support, the Bangor Golf Club for the use of the links and the local wholesalers for presenting the prizes, Results: Brookeborough Cup, F. J. Sharkey, 39 pts.; runner-up, J. F. McErlean, 36 pts. Handicap one to nine, 1, P. O'Neill, 41 pts.; 2, P. O'Hara, 39 pts. Handicap ten to eighteen, 1, H. Smith, 36 pts.; 2, G. O'Neill, 36 pts. Best score on first nine holes, J. Dunbar, Best score on second nine holes, Tie, V. Grant and M. Connelly.

TOPICAL REFLECTIONS

By Xrayser

Caution

The paper presented to the Edinburgh meeting of the British Pharmaceutical Conference by its chairman, Dr. W. Mitchell (p. 283 et seq.), calls for a "sense of proportion" in science, and that is what must be cultivated if we are to reap any benefit from the dramatic discoveries of recent years. The relentless drive to be ahead of one's competitors; the temptation to rush production and distribution so as to recover initial outlay and make profits before another company's efforts limit the field, may raise the important question whether such a field of hazard as that in which medicines are produced is best governed by the general pattern of commercial enterprise and profits common to other fields of business. There may not be much harm in rushing television sets, or transistor radios, or synthetic plastic materials on to the market, but it is open to question whether synthetic drugs of unproved potential may be treated in a similar way. With all the human tragedy involved in the thalidomide incident, it is possible that the lesson has been of value, if it has imposed a sense of caution, though public safeguard would have been enhanced considerably if the Cohen committee had adopted the proposals of its pharmacist members in relation to safety. It is a matter of opinion whether the pendulum, as Dr. Mitchell said, has swung too far the other way, and I wonder, on reading the chairman's speech, if the quotation from Adam Lindsay Gordon was quite apt to the occasion. It may be true, as the poet said, that "no game was ever worth a rap for a rational man to play, into which no accident, no mishap, could possibly find its way." The "game," where human life is concerned, is played for stakes that are too high for it to be compared with any other game. In the history of medicine a quarter of a century is a very short time, and there has been little evidence that research is "too heavily shackled with chains of caution and fear." We are in an age of discovery. It deserves respect and should be approached with caution and restraint. In present circumstances there must be control, and I am not satisfied that the Dunlop committee is the complete answer.

The ideal state

No doubt the ideal state in medicine would be one in which no one indulged in self-medication; one in which no medicines of any kind could be obtained except on a doctor's prescription, and that written only after a rigorous medical examination, exhaustive in its completeness. But we do not have that state, and there are still people misguided enough to diagnose their own condition and to treat themselves with "wide-spectrum" prietary medicines. Dr. G. R. Boyes, addressing the Edinburgh meeting of the Conference (p. 287 et seq.), has examined the problems of self-medication and the pharmacist's position in relation to it. The speaker reminds pharmacists that they cannot presume to diagnose; that they are in no way equipped to detect the causes of disordered body functions; that they are not equipped to "prescribe" medicines. "A pharmacist cannot presume to diagnose," said Dr. Boyes, "but he should be aware of the dangers of neglecting to secure treatment for a serious malady." The pharmacist, he also said, would be unwise to do more than offer advice for temporary relief of the symptoms of minor ailments. But if we are to take that to its logical conclusion, how is the pharmacist to discriminate between a serious malady and a minor ailment? The first step towards a more enlightened situation is to reserve the sale of medicinal substances to those whose education and training gives them knowledge of the action and uses of drugs—and they are pharmacists. In my experience, pharmacists in general show discrimination in their dealings with the public—a sense of proportion, in fact.

Resale price maintenance

The statement on p. 301 regarding the policy of Boots, Ltd., in relation to resale price maintenance makes it clear that the intention is to respect any prices that can be enforced by manufacturers. (Chaucer described that as "maken vertue of necessite.") They propose to make price reductions where possible on lines which are not price-maintained.

THERAPEUTIC SUBSTANCES

Five sets of regulations issued

A NUMBER of regulations have been issued under the Therapeutic Substances Act, 1956. The Therapeutics Substances (Manufacture of Antibiotics) Amendment Regulations, 1964 (H.M. Stationery Office, price eightpence), add coliston and its derivatives, and kanamycin to the substances listed in Schedule 1 to the Therapeutic Substances Act. The regulations also amend the Therapeutic Substances (Manufacture of Antibiotics) Regulations, 1963, in the following manner: -By adding special provisions with regard to coliston and derivatives thereof and kanamycin; by modifying the tests for freedom from abnormal toxicity and freedom from histamine-like substances. The regulations also introduce new potency standards in respect of the tetracyclines when issued in the solid form as a salt with an inorganic acid. The minimum potency in the case of oxytetracycline is 880 units per mgm. and 900 units per mgm. for chlortetracycline or 950 units per mgm. in the case of tetracycline. Similarly the minimum strength of sodium benzylpenicillin has been increased from a potency of 1,100 units to 1,600 units per mgm.

The Therapeutic Substances (Manufacture of Enzymes and Enzyme Inhibitors) Amendment Regulations, 1964 (H.M. (H.M. Stationery Office, price five-pence), require that hyaluromidase in the solid form shall not be issued unless it has a potency of not less than 300 units per mgm., calculated with reference to the dried substance. The labelling requirements in respect of containers of streptokinase and streptokinase-streptodornase are now required to be labelled where appro-priate with a statement that the pre-

paration is not intended for intravascular injection. There are special provisions relating to preparations of streptokinase intended for intravascular administration. An additional require-ment in respect of heparin is a test for freedom from depressor substances. The Therapeutic Substances (Manufacture of Hormone Products) Amendment Regulations, 1964 (H.M. Station-Office, price eightpence), add gonadotrophin and other chorionic gonadotrophins of biological origin to the list of substances included in schedule 1 to the Therapeutic Substances Act, 1956; and prescribe standards of purity and potency and labelling requirements. There are also new provisions in respect of insulin, globin zinc insulin, protamine zinc insulin, isophane insulin and insulin zinc suspensions. The Therapeutic Substances (Manufacture of Surgical Materials) Amendment Regulations, 1964 (H.M. Stationery Office, price threepence), extend the incubation period in testing for sterility from and provide new proper names for surgical ligatures and sutures. They are the accepted name or title descriptive of the true nature and origin of the substance, preceded by the words "sterilised surgical" as for example "sterilised surgical catfor example "sterilised surgical cat-gut" or "sterilised surgical horse gut" or "sterilised surgical notes hair." The Therapeutic Substances (Manufacture of Vaccines, Toxins and Regulations, Antigens) Amendment Regulations, 1964 (H.M. Stationery Office, price fivepence), extend the provisions of the Therapeutic Substances (Manufacture of Vaccines, Toxins and Antigens) Regulations, 1963, to make special provisions for combined diphtheria, tetanus and pertussis vaccines, including provisions for testing their potency and freedom from toxicity.

HOW PRUSSIC ACID ENTERED MEDICINE

Dr. M. P. Earles presents results of a study

INTRIGUED to discover how so toxic a substance as hydrocyanic acid, whose sedative action on the nerves is slight and transitory, came into use as a drug, DR. M. P. EARLES, London, made a study of the subject and presented a paper to the Union Mondiale des Sociétés d'Histoire Pharmaceutique at

Amsterdam on September 9.

Thomas Maddern, a lecturer in anatomy and surgery at Trinity College, Dublin, published in 1731 the results of an investigation into the effects of cherry-laurel water, which had caused the death of two Dublin women. Maddern found that, in dogs, doses up to ½ fl. oz. caused convulsions, large doses death. In 1759, the physician Browne Langrish, F.R.S., studied the possible therapeutic effects of small doses. He observed that a dog whose pulse rate increased and whose blood at the end was "extremely florid and beautiful" remained healthy and even grew fat, and concluded that at the dosage administered cherry-laurel water had a beneficial effect in thinning the blood and increasing the circulation. His work might have tended to encourage the administration of cherry-laurel water in toxic and near-toxic doses, but for-tunately the use of the water had fallen into disrepute; while black cherry water was refused admission to the London Pharmacopœia because it had been shown to have effects similar to those

of cherry-laurel water.

The toxic principle of cherry-laurel water was isolated by Scheele during a study of Prussian blue, though he did not then realise its toxicity. In 1800 a German pharmacist, Bohm, discovered a relationship between Scheele's acid and certain toxic vegetable materials, and two years later a compatriot, Schrader, proved its presence in cherrylaurel water. Another German in 1805 highlighted the rapid and dangerous toxicity of the compound, but his findings did not prevent its introduction into medicine. That was brought about by the Brunonists (followers of John Brown, whose system involved administering heroic doses of stimulating drugs, and who described cherry-laurel water as a powerful sedative). Its use was greatly increased by the publication in 1817 by the Frenchman, Magendie, of a paper on the use of prussic acid in chest complaints, especially pulmonary phthisis. A consequence was its inclusion in 1818 in the first pharmacopæia to be made official for the whole of France. The United States Pharmacopæia took it over in 1820, and in 1836, when it had already come into use through the propagandist efforts of the physician Augusto Granville, it was introduced into the Pharmacopeia Londinensis, prussic acid remained in official medicine for over a century, being dropped from the United States Pharmacopæia in 1925, by the French in 1937, but in Britain not until 1948.

EXPANSION **PROJECTS**

A COMPLETE plant for the manufacture of acetyl salicylic acid, prefabricated at Sandycroft, Ches, has been shipped to Pakistan by Graesser Salicylates, Ltd. (a subsidiary of Aspro-Nicholas group to another member of the group — Nicholas Products of the group — Nicholas Products (Pakistan), Ltd. The plant (part of which is illustrated below), is modelled upon the existing larger one at Sandycroft and is specifically designed with

subsequent expansion in mind to meet the growing needs of the Pakistan mar-Prefabrication, testing and dismantling was carried out within the short period of three months. The equipment is fully self-contained incorporating its own generating and steam raising plant in addition to an extensive water cooling system which will facilitate conservation of local water resources. All plant and acces-

sories have been shipped in packaged units which will simplify assembly in Pakistan semi-skilled local labour under the supervision of Graesser Salicylates who will also train personnel in the process operation. Production is ex-pected to start early in 1965.

SALICYLATES IN PAKISTAN: The new prefabricated plant shipped from Sandy-croft, Ches, to Paki-stan by Graesser Sali-cylates, Ltd.



This advertising sells YOU, the PHARMACIST, in 7 national newspapers, backed by massive T.V. campaign—45 commercials in 9 weeks, starting October 12th



This is why your chemist stocks today's Aspro by the hundred

- 1. He knows that Aspro has three vital actions to get you better faster. That's why more people relieve their aches and pains with Aspro than with any other brand of painkiller.
- 2. He knows that the right place for Aspro is in the home. Ready when you need it.
- 3. He knows that the 'flu season is on the way.

BEREADY FOR WINTER-BUY ASPROTODAY

Plus heavy advertising in leading women's magazines.

- *People will stock up with ASPRO.
- *They'll come to you for it.
- *And they'll ask for the LARGER sizes.

SELL THE LARGEST SIZE WITH THE LARGEST PROFIT



As soon as she sees those first stray grey hairs you can sell her Color-Match.

Color-Match colours-in stray grey hairs naturally without changing the normal colour of herhair. It's harmless, needs no mixing, and is used like a shampoo.

7 out of 10 women are seeing big Color-Match advertisements in Woman, Woman's Own and 3 other top women's magazines — plus the Daily Express, Daily Mail and Daily Telegraph.

Six Color-Match shades cover the whole range of brown hair tones, and they're now presented in attractive new packs.

DARK BROWN MID-BROWN LIGHT BROWN DARK WARM BROWN · MID-WARM BROWN · LIGHT GOLDEN BROWN

Stock them all and display them all—because beauty conscious women are ready to spend on Color-Match throughout the year!

Retail Price 5/3 per bottle. Trade Price 36/- per doz. Purchase Tax 9/- per doz.

Color Match

SEMI-PERMANENT HAIR COLOURING

Made by L'Oreal of Paris - hair experts to the world

Manufactured and distributed by GOLDEN LIMITED Berkeley Square House, Berkeley Square, London W1 Mayfair 8240

REPUBLIC OF IRELAND ENQUIRIES TO LILMAR PHARMACEUTICALS LIMITED, SANTRY, DUBLIN.

Presentation to Mr. Eric Knott

PAST AND PRESENT STUDENTS AND FRIENDS MEET IN HIS HONOUR

THE lecture hall of the Scottish head-quarters of the Pharmaceutical Society at 36 York Place, Edinburgh, on the evening of September 17, was crowded when former students and friends of Mr. Eric Knott, including the president of the Pharmaceutical Society, gathered to show their appreciation of Mr. Knott's services to pharmacy. Mr. E. A. Brocklehurst, who was in the chair, asked his wife, who was one of Mr. Knott's students, to open the proceedings. Mrs. Brocklehurst said that none present would like the occasion to pass without paying some tribute to Mrs. Knott for all the hospitality and unobtrusive kindness that she had shown throughout many years. Remembering "the tremendous rôle Mrs. Knott had played as Eric Knott's wife," she asked Mrs. Knott to accept a floral bouquet.



Mrs. Knott receives her bouquet from Mrs. Brocktehurst (Netty Taylor).

R.D. or Duncan's

MR. LEONARD S. SHORT spoke next as one of the oldest pupils of Eric Knott, He had been in Mr. Knott's first class in 1923 at the old Royal Dispensary and College of Pharmacy, "affectionately known to all pupils as the R.D. or Duncan's." Several pupils of the same vintage were in the room, said Mr. Short, adding "We gave Eric a rough time during that year, and he remarked to me some years later that 'another batch of students like your crowd and I would have been in my grave by now'." He was therefore pleased to see that Mr. Knott had survived to the mature age of retirement, and on behalf of all the older students who went to the "R.D." he wished both Mr. and Mrs. Knott, "whom they thought of with affection" a large life so that they applied a long life so that they could both enjoy the retirement they had so richly earned. MR. BROCKLEHURST then called upon one of the most recently qualified pharmacists, Miss IRENE THOMAS, who said it was her pleasure and privilege to say a few words on behalf of the young pharmacists. To Mr. Knott she said "You have our respect and affection, and we value your friendship. You have been our guide through the trials of pharmacy; ever-ready to enlighten us in our difficulties and frequently our difficulties and frequently softening our disappointments. Your joy in our success made the effort so worth while." The time was approaching when the influence of Mr. Knott's knowledge and skill would be but a collegiate memory, but those who had benefitted by that skill would always be indebted to him—" particularly . . . the 'lame ducks' several of whom are with you this evening." Miss Thomas ended "To you, Sir, may I express the hope that you will share with Mrs. Knott good health and much happiness in the days of your forthcoming retirement." Mr. WILLIAM Low, Consett, quoted first from Lord Chesterfield's letters to his son: "If you are a good chemist you may extract something out of everything." Looking around the representative gathering that evening, and when he realised that all present had passed through Mr. Knott's hands—eventually to receive a certificate indicating "sufficient skill and knowledge, etc."—he realised the truth of that saying. Mr. Knott was not only one of the world's greatest chemists but he was a great teacher.

Ready to Help

He was convinced that there had never been a more important meeting at 36 York Place. Those present had served under Mr. Knott and had been taught by him, but above all had received his friendship and had come to say "thank you." He was always ready to help, advise and castigate as he thought necessary. On behalf of the old students, as an expression of their affection, high esteem and gratitude for unestimable help, encouragement and guidance, and above all friendship, he asked Mr. Knott to accept a silver salver and cheque for just under £600, at the same time expressing the wish that he would have many happy years ahead to continue his unstinted devotion to pharmacy. BAILIE GEORGE HEDDERWICK reminded the audience that Mr. Knott had come to Edinburgh from Worcester, and that Mr. Knott and himself had been associated as members of the last board of managers of the Royal Dispensary, which had existed from 1776 until 1964. Bailie Hedderwick also mentioned Mr. Knott's interest in church work, and said the City Fathers were not unaware of the work he had done. "The of the work he had done. "The Knott's home was a refuge in those early days when there were no grants. The gathering was there to honour a great servant of pharmacy and it was a pleasure to ask Mr. Knott to accept a book of signatures and greetings containing communications from practi-cally every country in the world. Amid extended applause MR. ERIC KNOTT rose and said he felt that not all that had been said was quite true: many had been guilty of "terminological inexactitudes." He was delighted that the function was held at 36 York Place, and he recalled some of the meetings that had been held there. His earliest recollection was in 1919, when he had attended to hear an address on fruit and seed dispersal. He acknowledged the help of his wife, saying, "Mary has been my help—many a time when I have been more than usually ill-



Mr. Wm. Low presents the salver to Mr. Knott.

tempered she has said 'here are your slippers'." He recalled that in 1935 the Royal Dispensary and School of Pharmacy was transferred to the Heriot-Watt College and he was their introduced to Jock Henderson and Hugh Campbell with whom he had enjoyed the privilege of working. The younger members of the pharmacy department there formed a nucleus which "bode well for the future." He thought that far too many students came up to college with far too much money and they then had to find time to spend it. If he was asked to give any advice to parents about their sons and daughters it would be, "don't let them have things too easily. If they have too much money, they will have no time to study." He himself was now going to practise retirement!

MANUFACTURERS' ACTIVITIES

British Instruments Abroad.—Twentynine members of the Scientific Instrument Manufacturers' Association of Great Britain are co-operating with the Board of Trade in organising exhibitions being held in Madrid, October 19 to 25, and in Barcelona, November 2 to 4. The exhibitions are part of a campaign to promote the sales of British instruments in Spain. The Spanish market for instruments is still in a state of flux. It is therefore important for British industry to establish itself in this growing market while the opportunity exists. In 1962 exports of instruments to Spain totalled £650,000 and in 1963 rose to £850,000.



COMPETITION PRIZE WINNERS: Winner of "Spot my Child" competition organised by Wright, Layman & Umney, Ltd., Mr. D. A. Thompson, West Kirby, receives his £1,000 prize from Mr. R. C. A. Hall (sales manager).

LEGAL REPORTS

A Theft of Narcotics

A WEEK'S remand in custody had cured him of his addiction, said a registered drug addict at Wood Green, London, magistrates' court on September 18 when he appeared on a charge of stealing drugs. The defendant was Mr. David Sidney Battams, 53 Addison Avenue, N.14, who pleaded guilty to breaking and entering the pharmacy of Reids (Chemists), Ltd., at 195 Bramley Road, Southgate, between July 25 and July 27 and stealing approximately 270 heroin hydrochloride tablets and a bottle containing approximately gr. $3\frac{1}{2}$ of cocaine hydrochloride. A police officer said that Battams, who had committed the offence after visiting the shop on July 25, had been obtaining his supply of drugs from the shop. Because his doctor was going on holi-day he had been given prescriptions in advance, which had been deposited at the pharmacy. Defendant attempted to obtain his supply for July 27, but his request was refused. It was not apparent how the premises had been entered, because at 7 a.m. on July 27 a fire was found to have occurred and there was substantial damage. There was no evidence to connect the defendant with this fire. Battams, in a statement, said that he had gained entry to the shop through a rear window and had left by unlocking the back door. He had closed the door behind him, he said, and he denied all knowledge of the fire. "I did not smoke in the premises." tams had been a voluntary patient at a Finchley hospital on two occasions, but had discharged himself. In the court Battams said: "I am sorry I have caused any trouble and inconvenience. Since I have been down in prison they have got me off drugs. I haven't had any drugs at all during the past week. Asked why he had committed the offence, Battams said: "I made a mistake and accidentally tipped my drugs away. I had no drugs at all." He added that he was now eating better and would like an opportunity to become an out-patient to help him to break the habit. His father had managed to obtain employment for him as a groundsman, and he would like an opportunity to take it up. Battams was remanded in custody for three weeks for probation and medical reports.

COMPANY NEWS

Previous year's figures in parentheses

TIMOTHY WHITES & TAYLORS, LTD.—Messrs. Ernest W. A. Oldcorn, M.P.S. and William A. Taylor, M.P.S., have been appointed senior directors of the company. An interim dividend of 4 per cent. is declared and is to be paid on November 12.

A. GALLENKAMP & CO., LTD.—A final dividend of 9 per cent., to make 12 per cent. for the year ended June 30, is recommended. Profit, before tax, for the year amounted to £260,777 (£200,052). After U.K. tax, the net profit was £120,977 (£92,475).

UNITED GLASS, LTD. — An interim dividend of 5 per cent. (same) is

declared. Reporting on trading for the twenty-eight weeks ended July 18, the chairman (Mr. J. R. C. Helmore), states that sales were £14.8 millions (£13.9 millions) but because of higher costs the net profit is down to £338,000 (from £505,000). Current demand for glass containers is at a higher level than ever before.

NEWTON CHAMBERS & CO., LTD.—Pre-tax profits for the first six months of 1964 amounted to £567,000 (against £171,000 in the first six months of 1963). Although there are reasons why comparable profits may not be fully achieved in the second half of the year nevertheless the directors expect that the profit for the year should not be less than £1 million (£500,000). An interim dividend of 8 per cent. (4 per cent.) is declared. 20 per cent. is forecast for the year.

IMPERIAL CHEMICAL INDUSTRIES, LTD.—Group sales of £348 millions are announced for the first half of 1964 (against £304 millions in the same period of 1963). Income, before tax of £24.8 millions (£19.3 millions) was £56.3 millions (£40.8 millions). Group income, after tax, applicable to parent was £29.6 millions (£20 millions). Interim dividend is raised by twopence to one shilling per share. The interim report states that in the home market, sales volume was about 15 per cent. higher, but as, on average, prices of products were again reduced the increase in the value was about 13 per cent. There was a subsantial increase in exports from the United Kingdom and their value reached £62.8 millions (at f.o.b. values) (against £54.5 millions). Sales of products manufactured by overseas subsidiaries increased in value by 16 per cent. The increase in group income over that acheived in the first half of 1963 was due mainly to the substantial increase in the volume of sales, but benefit was derived also from continuing increases in manufacturing efficiencies. Sales in the second half of 1964 are expected to exceed those in the second half of 1963, but not to the same extent as in the first

SANGERS, LTD. — Reviewing the year ended February 29, the chairman (Mr. L. Renshell) said that while the group pre-tax loss of £44,573, against a profit of £20.040 in 1962-63 was "most unsatisfactory," he asked members to bear in mind that between February 1961 and 1963 the annual declined from £313,000 to £20,000, so that 1963-64 does not reveal any further substantial slide. Except for three branches, two of them in London, all units traded at a profit. Reorganisation begun in August 1963 will not be completed until the accounts for 1964-65 are published, but so far "it has not gone too badly and there are now grounds for hope." The day of the large warchouse, servicing an equally large area has passed, he adds, and with that in mind the company has decentralised, "but not fast enough." the group was trading to the fullest extent of the available finance, it was not possible to consider opening up new branches visualised in place of the larger ones unless other assets that were not remunerative were disposed

of. The branch in Birmingham, which was closed in October 1963, realised about £200,000, but the building has not so far been sold, so the full financial benefit expected has not yet materialised. The sale of two smaller properties has realised £40,000, and some Government Securities and certain trade investments have realised £150,000, a part of which was utilised to reduce the overdraft. Out of the proceeds urgent capital outlay on motor vans, office mechanisation and on a new warehouse of Thomas McMullan, Ltd., Belfast, has been met. The group's main warehouse at Euston Road is in the centre of an area of present major reconstruction. The company's application for outline planning permission has been turned down on the grounds that the premises are in an area of comprehensive development for which plans are not yet available—so the true value of the property cannot yet be assessed. Meanwhile the group is housed in a large warehouse unsuitable for its business, which is not being operated profitably despite the economies effected to date. The premises may, however, be a "valuable asset" for the future. Mr. L. D. Smith, who was a joint-managing director when he resigned on June 30 (C. & D., July 4, p. 7), has received £16,000 as loss of office compensation, which will be charged in next year's accounts. In the 1963-64 accounts, directors' remuneration included a £2,000 ex gratia payment to Mr. E. A. Smith and £11,341 payable to Mr. P. S. Smith under his service agreement expiring on February 28, 1965. Both week line of February 28, 1965. Both were directors. (For preliminary statement of accounts, see C. & D., August 15, p. 142.)

BUSINESS CHANGES

UNI-PHARMA, LTD., are removing to 45 Mount Street, London, W.1 (telephone: Mayfair 2864), on October 12.

DIVA LABORATORIES (GT. BRITAIN), LTD., are removing to 45 Mount Street, London, W.1 (telephone: Mayfair 2865) on October 12.

BOOTS, LTD., are taking the pharmacy concession at an American-style shopping centre being opened by G.E.M. Supercentres at West Bridgford, Notts, on November 7.

DUNCAN, FLOCKHART & CO., LTD., announce that their executive offices (at present in Edinburgh) are joining their London information centre at Birkbeck Street, London, E.2 (Shoreditch 2098) on October 1. All communications (including orders, payments and inquiries) by post and telephone, should now go to the London address.

Appointments

PRICE'S (BROMBOROUGH), LTD., Bebbington, Wirral, Ches, have appointed Dr. B. Taylor, B.Sc., A.R.I.C., chief chemist at their oleochemical works.

FRENCH & SCOTT, LTD., have appointed Mr. T. Spencer their representative to cover the following area: Derbyshire, Nottinghamshire, Leicestershire, Warwickshire, Worcestershire, Northants, Lincolnshire and Rutland.

BURROUGHS WELLCOME & CO., have appointed Mr. D. G. Heath, F.P.S. (previously general overseas sales manager) sales director of their Belgian subsidiary company, Etablissements H.V. Mees, S.A.

OVERSEAS VISITS

DR. and MRS. EDWARD GURR (directors, Edward Gurr, Ltd.), recently returned from a visit to the United States and Canada where they called on the company's agents as well as users and prospective users of the company's products.

MR. H. O. ANNETT (export sales manager, William R. Warner & Co., Ltd.), and Mr. R. H. R. Wilkins (company training officer), have left London Airport for Amman where they will be joined by Mr. P. M. Gallagher (Middle East divisional manager). Purpose of the visit is to organise the first sales training course in the Middle East for the medical representatives who are responsible for detailing the company's products in that area.

PERSONALITIES

DR. H. LAKRA, who joined Abbott Laboratories, Ltd., Queenborough, Kent, in 1939, has been presented by Mr. Harold David (managing director of the company) with a gold watch and a diamond tie clip to mark his twenty-five years' service. Dr. Lakra was appointed control chemist and later manager of chemical production. In 1953 he became head of pharmaceutical development.

MR. R. A. HARDT, who is one of the leading figures in the United

States pharmaceutical industry, was recently in London on the first leg of a world tour to establish closer links between doctors, sociologists, pharmacists, and government bodies engaged in family planning and population studies. He is now on his way



to Cairo, Egypt. Mr. Hardt's tour is part of an assignment as director of professional relations on behalf of G. D. Searle & Co. While in London he met authorities in the family planning field. He will go on from Cairo to visit other countries in the Middle East, Turkey, India, Pakistan, Malaya, Australia and Japan. Mr. Hardt, the son of a pharmacist, himself graduated and registered as a pharmacist at the age of twenty-two. A year later he was appointed to the Nebraska State Board of Pharmacy (he was the youngest pharmacy board member in the United States at that time). He started his career in the pharmaceutical industry with E. R. Squibb & Sons as a medical representative. Later he became vice-president and director of that company in New York. From 1948 to 1958 he served as vice-president of Hoffmann-La Roche, Inc., New

Jersey, and in 1958 he was elected president of Armour Pharmaceutical Co. and vice-president of Armour & Co., Chicago. He retired from both those positions at the end of 1963. Mr. Hardt is a past president of the American Pharmaceutical Manufacturers' Association and was selected by U.S. pharmacists to receive American druggists' "Man of the the Year" award in 1957. He is at present serving as a member of the Council of the American Pharmaceutical Association. He has been conferred the honorary degrees of Doctor of Pharmacy, Rutgers University, 1954, and Doctor of Science in Pharmacy, Massachusetts College of Pharmacy, 1958. Later this year Mr. Hardt is being presented with the Remington medal for 1964, an award made each year by the American Pharmaceutical Association for distinguished service to the profession.

MARRIAGES

BIRCHALL—CARTMEL.—At St. Helen's Church, Sefton, Liverpool, 23, recently, Eric Birchall, Litherland, Liverpool, 21, to Myrtle Ruth Cartmel, M.P.S., Thornton, Liverpool, 23.

FAWKES—FAIRBROTHER. — At St. Matthew's Church, Overseal, Burton-on-Trent, Staffs, recently, Geoffrey Donald Fawkes, Littleover, Derby, to Jean Fairbrother, M.P.S., Overseal.

STEEPLES—MYERS. — At Christ Church, Harrogate, Yorks, on September 5, Anthony Steeples, M.P.S., Frechville, Sheffield, 12, to Jane Rosalind Myers, Harrogate.

DEATHS

BINKS.—On September 8, Mr. John Durham Binks, M.P.S., 221 Streetsbrook Road, Solihull, Warwickshire, aged ninety-two. Mr. Binks qualified in 1896.

HAMER. — Recently, Mr. Leslie Hamer, M.P.S., 5 Bank Square, Saint Just, Penzance, Cornwall. Mr. Hamer qualified in 1942.

HUTCHINGS. — On September 1, Mr. Ernest Andrew Hutchings, M.P.S., Chesterfield Lodge, Old Mill Road, Torquay, Devon. Mr. Hutchings qualified in 1914.

RATCLIFFE. — On September 14, Mr. Ernest Ratcliffe, M.P.S., 39 Chailey Drive, Rottingdean, Brighton, Sussex. Mr. Ratcliffe, who qualified in 1920, was formerly in business at Ealing Road, Wembley, Middlesex.

Mr. J. Anderson Stewart (secretary, Middlesex Pharmaceutical Committee) writes:—Many pharmacists will learn with regret of the death of Ernest Ratcliffe, formerly of Wembley, who had spent over fifty years in pharmacy. After serving an apprenticeship in his native Lancashire he joined the army in the 1914-18 war. On demobilisation he took one of the special courses for servicemen at Exeter and qualified in 1920. Periods of management followed and he then became associated with Mr. W. Spencer Howells in a partnership at Wembley, where he was for the remainder of his time in pharmacy. Early in the 1939-45 war Mr. Ratcliffe

took over this business completely, and was also for a time pharmacist to the Wembley Hospital. He was on several occasions president of the Wembley Chemists' Association and often attended Branch Representatives' meetings. Perhaps, however, his greatest contribution to his calling was the part he played as a member of the Committee of Inquiry appointed in 1937 and which reported in 1941. When I became secretary to the Middlesex Pharmaceutical Committee I quickly developed a great admiration for his many sterling qualities as a member and chairman of the committee. As a representative on the Pharmaceutical Service Committee he was an adept at the lucid presentation of the pharmacists' difficulties to the lay side. He had an unbounded energy, enthusiasm and zest for living, and I received many personal kindnesses from him. In his latter years he bore the untimely loss of his only son, Colin Ratcliffe, B.Pharm., F.P.S., with fortitude. Outside of pharmacy he was a past-chairman of the Wembley Rotary Club, a Liveryman of the Needlemakers' Company, a past-master of its Lodge, a member of the City of London Livery Club, as well as being a bowler who had achieved intercounty standard.

SWENARTON. — At his home, on September 18, after a short illness, Mr. Joseph Anderson Swenarton, M.P.S.N.I., Oakcroft, East Road, St. Georges Hill, Weybridge, Surrey, aged fifty. Mr. Swenarton served his apprenticeship with Mr. S. S. Badger, M.P.S.N.I., Magherafelt, Northern Ireland, and took his membership in 1936. Following experience with Harmur, Ltd., Belfast, and Boutalls, Ltd., London, he entered naval service with the Admiralty in 1940 and became a senior pharmacist with the rank of Lieutenant R.N.V.R. In 1946, Mr. Swenarton joined Parke, Davis & Co. as a medical representative and saw service in India, Ceylon, Malaya, Burma and Siam. In 1947 he was appointed sales manager, Parke, Davis & Co., Bombay. After four years as sales manager he was promoted to assistant general manager. On his return to the United Kingdom in 1954, Mr. Swenarton was appointed assistant superintendent of production at Hounslow, and in 1957 was made assistant foreign sales manager for the company.

WILSON.—On September 21, Mr. Henry Muir Wilson, A.A.C.C.A., A.C.W.A., secretary of Macfarlan Smith, Ltd., Edinburgh. In 1953 he was appointed a part-time lecturer at Heriot-Watt College. Mr. Wilson joined Edinburgh Pharmaceutical Industries, Ltd., as group accountant in 1955. Following the take-over by the Glaxo organisation, he became secretary of Macfarlan Smith, Ltd.

N.H.S. STATISTICS

In East Suffolk the National Health Services cost £980,155 in 1963-64, an increase of £56,708 over the previous year. Pharmaceutical services cost £340,269. 156,310 persons obtained medicines from chemists and 75,349 from dispensing doctors.

TRADE NOTES

Address of a Manufacturer.-Morny, Ltd., state that their address for inquiries and correspondence is Morny House, 201 Regent Street, London, W.1.

Offer Closed.—Allen & Hanburys, Ltd., Bethnal Green, London, E.2, remind chemists the special display offer for 3s. 9d. First-step Haliborange has been withdrawn.

Discontinued.—International Chemical Co., Ltd., Chenies Street, London, W.C.1, have discontinued manufacturing Nemakol tablets owing to the nonavailability of certain raw material supplies.

A 16-oz. Size.—Following the success of their No. 17 Crystal Clear aerosol hair spray in an 8-oz. pack, Andre Philippe, Ltd., 71 Gowan Avenue, London, S.W.6, have added a 16-oz. pack of the product in matching design.

A 1,000-capsule Pack. — Dunster Laboratories, Ltd., Rochdale, Lancs, announce that, as a result of increased prescribing of their speciality Coprol, and to meet hospital demand, it is now available in an additional pack of 1,000 capsules.

"Points System" Introduced. — The Gillette Safety Razor Co., Great West Road, Isleworth, Middlesex, have introduced a new general trade price list for their products. The list, effective from September 21, is based on a "points system" introducing progressively increasing profit returns in relation to the purchases made.

Competing Again.—After its success in the British 1964 Starpacks competition, 12 Bore men's toiletries (manufacturers, Phillips, Scott & Turner, 2 St. Mark's Hill, Surbiton, Surrey) are being entered in the 1964 Eurostar competition run by the European Packaging Federation. The competition is being held at Gottenburg, Sweden, on October

Home Book Offer.-With the label from a 1-lb. jar of Horlicks, customers are enabled to buy for 9s. a new Horlicks "Home Book," the cost of which, if bought independently, would be 25s. The book, specially prepared for the manufacturers by Good Housekeeping, is illustrated and full of practical information. Manufacturers of the product are Horlicks, Ltd., Slough, Bucks.

Neutral. - British Cod Liver Oils (Hull & Grimsby), Ltd., St. Andrews Dock, Hull, offer to manufacturers samples of the new Hermetic cod liver oil which is claimed to be of extreme blandness, and, in emulsions or with malt, yields a neutral end-product. The product is issued under the title Main-The manufacturers also offer booklets describing the product.

Sole Importers.—James, Samuel & Co., Ltd., 56 Fairfield Street, London, S.W.18, point out that they are the sole importers into Great Britain of the Maya range of Italian beauty products. The range consists of five products claimed to provide all that is needed for skin care: cleansing lotion, tonic lotion (incorporating essence of Bulgarian roses), both products in plastic gold-stoppered bottle; two creams for day and night use respectively; and finally a toilet soap. An algae slimmingfoam bath is contained in sachets that dissolve in hot water.

Maintaining Prices.—The following names should be added to the list of manufacturers who have announced their intention of claiming exemption from the Resale Prices Act, 1964, for all their products or as stated:-

ALLEN & HANBURYS, LTD., Bethnal Green, London, E.2 (products including all pharmaceutical specialities and vitamin food supplements).

PARKE, DAVIS & Co., Staines Road, Hounslow, Middlesex.

RADIOL CHEMICALS, LTD., 78 Upper Richmond

RADIOL CHEMICALS, LTD., 78 Upper Richmond Road, London, S.W.15.
ROBERTS WINDSOR, LTD., Victoria Works, Colwick, Nottingham, (Windsor series of toilet preparations and soaps and gift sets containing them; Jaslyn toilet soap; Roberts original brown Windsor toilet soap; Derl toilet soap; Derbac series of hair preparations.)

SMITH KENDON, LTD., 132 Borough High Street,

London, S.E.1.

THE PHILLIPS, SCOTT & TURNER Co., St. Mark's Hill, Surbiton, Surrey (medicinal products).

What the Packs Contain. - Pharmethicals (London), Ltd., Victoria Way, Burgess Hill, Sussex, state that, from letters received from retail pharmacists, it appears that the contents of their 3 x 1 x 21 and 6 x 1 x 21 Gynovlar 21 packs are not universally understood. The 1 x 21 pack contains one foil strip ("memo pack") of twenty-one tablets; one plastic sleeve for them; and one patient-instruction leaflet. The 3 x 1 x 21 pack contains three foil strips; the sleeve and the leaflet. The 6 x 1 x 21 pack contains six foil strips, six sleeves and six patient-instruction leaflets. Thus only the 6 x 1 x 21 pack is to be regarded as a truly "dispensing" pack.

A Good Start.—An excellent response from women customers is reported

by the distributors for Bidex dry spray, recently introduced as as a only " " chemist product (see C. & D., August 8, p. 124). Sales from the counter "dispenser" (illustrated alongside) with its supply of explanatory leaflets have excellent. Bidex is described as the first germicidal aerosol deo-



dorant for the hygiene of the vulva and vaginal areas. It is manufactured by a process protected by British and foreign patents. The manufacturers are Mediline, Lucerne, Switzerland; the distributors in the United Kingdom are Practical Pharmaceuticals, Ltd., Jesmond Road, Newcastle-on-Tyne, 2.

Bonus Offers

BOOTS PURE DRUG CO., LTD., wholesale division, Station Street, Nottingham. Fenox (drops and spray) and Strepsils. Twelve invoiced as ten on order for 6 doz.; twelve invoiced as eleven on order for 3 doz. Assorted orders (minimum 1 doz. of any one

product) qualify for the special-offer terms. Offer closes October 3.

W. B. CARTWRIGHT, LTD., Rawdon, Leeds. Penetrol. "Panel" offers Panel 1: Display stand comprising Penetrol inhalant, 1 doz.; inhaler, ½ doz.; vapour rub, ½ doz.; and cough syrup, ¼ doz. Twelve inhalant invoiced as eleven. Panel 2: Display stand plus 1 doz. of any line on the stand, invoiced as eleven. Panel 3: Display stand plus 2 doz. of any line on the stand charged as twenty.

FASSETT & JOHNSON, LTD., St. John's Gate Buildings, 86 Clerkenwell Road, London, E.C.1. Anti-Bi-San (adult and child sizes). Twelve invoiced as ten on minimum order of 1 doz. either type. Until November 30.

HODGES & Moss, Ltd., 10 Barker Street, Shrewsbury. Sulphadimidine tablets, 5 gm. 2 doz. invoiced at 81s. doz.; $6\frac{2}{3}$ doz invoiced at 72s. doz. (usual price 96s. doz). Till September

Maw's Pharmacy Supplies, Ltd., Barnet, Herts. Lanalem Shampoo. Introductory bonus of $2\frac{1}{2}$ per cent. discount on first orders for 4-7 outers, straight or assorted. Permanent bonus of 5 per cent., $7\frac{1}{2}$ per cent. and $12\frac{1}{2}$ per cent. on orders for 8, 15 or 25 outers respectively. [Extended note].

SMITH & NEPHEW PHARMACEUTICALS, LTD., Bessemer Road, Welwyn Garden City, Herts, Thermona. 15 per cent. extra discount on minimum 2 doz.

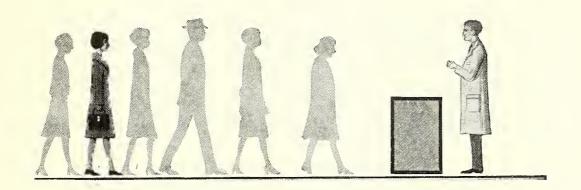
A CODE FOR CASES

Fibreboard Container Symbols

AN international case code for fibreboard cases, which will enable that type of packaging container to be readily identified or referred to in any country or language, has been published by the Fédération Européenne des Fabricants de Carton Ondulé (European Federation of Corrugated Carton Makers). National Associations that are members of F.E.F.C.O. have agreed to adopt the system to describe corrugated cases, with the minor difference that the United Kingdom Association, representing manufacturers of both solid and corrugated cases, has designated it as the "International Case Code," making it applicable to cases whether made of solid or corrugated board. The British Railways Board has also given recognition to the Code and has agreed that the symbols may be used in correspondence with the Board and in specifications, The International Corrugated Case Association has also agreed to the adoption and use of the code by its members, including the United States and certain other countries outside Europe. Copies of the Code can be obtained from case makers or from the Fibreboard Packing Case Manufacturers' Association, 27 Chancery Lane, London, W.C.2 (price 1s. each).

INFORMATION WANTED

The Editor would appreciate information about: Super Doll nail clippers Pelaqua towels



more
customers
are
asking
for



Regular prescriptions have familiarised patients with Hypon tablets and chemists are already enjoying considerable over-the-counter sales. This valuable business can be extended by displaying Hypon on your counter. Its attractive pack will increase your sales and your profits.



CALMIC LIMITED, Crewe, Cheshire Tel: 3251 (7 lines) London: 2 Mansfield Street, W.1.

Heinz Baby Foods have 62 whole pages of advertising in October - November

(don't be caught with your stocks down!)

Britain's leading women's magazines will carry 13 whole pages in full colour, 35 whole pages in black and white. Medical and nursing journals will carry 14 whole pages in black and white.

You will feel the impact of this compelling new advertising in brisker than ever sales of Heinz Baby Foods—in the tin or in the jar, whichever your customers prefer.

Have a profitable talk with your Heinz Representative!

Heinz Baby Foods — big profits in little meals.

NEW PRODUCTS AND PACKS

PHARMACEUTICAL SPECIALITIES

Packs to be Changed.—Ames Co., division of Miles Laboratories, Ltd., Stoke Poges, Bucks, are replacing the packaging of their range of diagnostic tests over the next few weeks with a modern one-colour standardised design for all products, similar to that used for Dextrostix, Hema-Combistix and Hemastix.

Hespiridin Ascorbate Capsules. — Dunster Laboratories, Ltd., 14 Yorkshire Street, Rochdale, Lancs, announce the availability from early October of a new speciality Antibortin for the prophylaxis of habitual abortion and antepartum hæmorrhage in pre-eclamptic toxemia. Each capsule contains 200 mgm. of hesperidin ascorbate. The capsules are supplemental to hormonal or other treatment. Antibortin is claimed to help maintain the integrity of the placental capillary bed. The capsules are available in packs of twenty and 200.

VETERINARY SPECIALITIES

A Smaller Pack for Poultry Farmers. — Following the introduction earlier in the year of a 5-lb. pack of Furasol, Smith Kline & French Laboratories, Ltd., Welwyn Garden City, Herts, announce the introduction on September 28 of a smaller pack for the general poultry farmer. The company's agricultural and veterinary products marketing department announces that Neftin and Bifuran sales packs now have redesigned labels.

Veterinary Ointments. — Hydrophane Laboratories, Ltd., Ickleford Manor, Hitchin, Herts, announce that they will be marketing within the next few weeks Protocon, a veterinary ointment containing 5, chloro-7-8 hydroxyquinoline in a smeoth non-greasy base with which is incorporated N-propyl-



p-hydroxy benzoate, to assist rapid and deep penetration of the active agent. Protocon has been formulated to resist and inhibit bacterial infection and is especially indicated in the treatment and prevention of cracked heels and mud fever, in horses. It is available in 20 oz. jars.

COSMETICS AND TOILETRIES

Nail Hardener.—F. C. Paton (Southport), Ltd., 1a Peets Lane, Southport, Lancs, draw the attention of chemists to their new product, Paton's nail hardener, now available in a counter unit



of six bottles. Nearly two-thirds of the country area has already been covered for distribution, through retailers and the principal wholesalers. The product is already being sold in seven countries. "Every chemist," say the makers, "has it in South Africa and in Kenya."

A New Hand Care.—Organon Laboratories, Ltd., Crown House, London Road, Morden, Surrey, have made Endocil treatment available in a form suitable for use on the hands. Tests have shown, they say, that women's "problem" hands may be divided into two major groups, for which they have



made available Endocil treatment O for normal skin with a tendency to dryness, and Endocil treatment S for difficult or very dry skin. Advertising booked to commence during October is described as "the biggest ever launch for any hand cream sold only to pharmacists." To give the product a quick acceptance the makers are offering at an advantageous retail price for a limited period a special twin-pack containing a half-size tube of each treatment, to enable each woman to find the right one.

"Most Individual" Men's Range .-Shulton (Great Britain), Ltd., Trevor House, 100 Brompton Road, London, S.W.3, claim that their York Town men's range is "the finest and most individual" yet to be available in Great Britain. York Town for men is described as a "crisp provocative blend of citrus and woody elements with smoky gunpowder' overtones reminiscent of the fashionable world of the eighteenth The series comprises aftercentury." shave lotion, Cologne and talcum, each packaged in blue and green replicas of early American apothecary jars, and gold embossed with the name and guncarriage motif.

A New Eye Cosmetic.—Melvet, Ltd., a member of the Optrex Group, Wadsworth Road, Perivale, Middlesex, have launched a new eye cosmetic, Eye Dew, which is being advertised nationally in the Daily Mirror and teenage magazines. Eye Dew is claimed to refresh and soothe tired eyes and enhance eye sparkle by high-lighting the colour of the iris. The preparation is understood to have been "medically supervised and tested and to contain no substance having any deleterious effect on the eyes." The handbag-size bottle is in dark blue. With each bottle is packed a colour and make-up chart prepared by a leading film make-up artist.

SUNDRIFS

Push-button Warmth Control. — "Never before," say Ekco Heating & Electrical, Ltd., 41 Old Street, London, E.C.1, "has an electric blanket had warmth controlled as effectively as with Ekco's push-button blankets." The control, described as a breakthrough, is without thermostats, "the secret being in the control."

Cordless Shaver. — Gordon Miller, Ltd., 91 Beddington Lane, Croydon, Surrey, has introduced the Triffic cordless shaver. In a two-tone extremely smart black and white presentation, it has a long life miniature motor of superb design, automatic on/off switch, 100 per cent. shaver head protection and a shock resistant case. An ingenious gimmick is the housing of the cleaning brush in a slide magazine in the guard cap so that the brush is never



lost and is always ready for use. It mills into quite dense beard, and gives a billiard ball smoothness without causing irritation. Designed to be used and stored without any protective case, it can easily be carried in a pocket, brief case, glove compartment or saddle bag, and will on an ordinary U.2 type cell shave for 6-8 weeks. The shaver is packed in a metallic gold carton with a profiled shape acetate clear window. Gordon Miller seek wholesale and retail stockists in all areas of the British Isles. Interested trade buyers should contact Mr. P. A. Ballard (marketing manager).

Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

R.P.M. at the Polls

SIR,—I do not think the abolition of resale price maintenance will mean much to the customer. There will be a few shillings saved on some purchases, but the saving will be more than offset by the higher hire purchase, mortgage and bank rates; not forgetting the high duty on petrol, cigarettes, etc. I hope fellow traders in Great Britain will remember the abolition of R.P.M. at the forthcoming General Election. Unfortunately we in Northern Ireland can do little, as the vote is mainly a religious, not a party, one

W. J. TAYLOR,

Londonderry

From the Grocer

SIR,-The Gerber division of Brown & Polson, Ltd., have already broken faith with pharmacists in the Bristol area. Their baby foods are now in the supermarkets, having had the demand created by promising retention of a "chemists only" policy. It would seem the old trick of two sets of representatives has been pulled on us, "our" man saying with hand on his heart "I'm definitely not calling on grocers" and avoiding a direct answer when asked if any other man was doing so. I understand that the Yorkshire area is being heavily canvassed at the moment. To pharmacists there I dare to say "Beware, you'll do the donkey work and splash out on stock which will soon be killed."

MAURICE D. CHANT, J.P. Fishponds, Bristol

[A spokesman for Brown & Polson, Ltd., at a meeting on September 15, at which the product was announced as being nationally available, said that it was being distributed through both chemists and grocers.—EDITOR.]

SIR, — The article "Medicines — a healthy way of making grocery store profits" by the merchandising manager of Beecham's Proprietary Medicines has caused no little stir (ripples eventually reached the tranquil backwaters of the top brass of you know who) and we haven't heard the last of it by any means. Pharmacists should bear in mind that, whichever side con-quers at the hustings, there are bound to be a large number of members in the new Parliament with a sense of ethics and morality, and that many of those politicians are literate and willing to digest letters sent to them some of them may even act! For the benefit of your readers who did not get hold of a copy of the Grocer for July 18, I list a few of the full-page advertisements therein-Alka Seltzer, Anadin ("25 per cent profit"), Aspro/ Rennies ("special offer"), Delrosa ("leads the market"), Gerber baby foods, Get Set hair spray, Imperial Leather soap, Lifeguard disinfectant, Phensic ("most trusted name"), Phillips Scott & Turner ("brand leaders"), Radox and Zal. I appreciate that

"there is no law against it," but think that it is right to know who is, and who is not, on the side of the angels. R HUTCHINSON, London, S.E.7

The late Mr. I. G. Rankin

SIR,—To at least three members of Conference in Edinburgh, the C. & D. of September 19 brought the sad news of the death of Irvine Giles Rankin. "Rank," as he is affectionately remembered, did far more than coach us through the Chemist and Druggist qualifying examination about thirtyfive years ago when we attended the London College of Pharmacy. His keen sense of humour, his ability to lead rather than to drive, and his willingness at all times to explain (" after consulting the authorities"), did much to train us for life in general, as well as for a pharmaceutical career. As our preceptor he showed "A Sense of Proportion in Science"; as our friend he showed a sense of proportion in most other things. Although he does not appear to have been active in pharmacy for some years, there must be many more Old Cyanides who feel, like us, that we are fortunate in having known him.

J. D. MACKENZIE, Upminster, Essex.

Not Technicians

SIR,-In THE CHEMIST AND DRUGGIST, July 18 (p. 60), which has recently been brought to my notice, was published a letter headed "Value of Dispensing Assistants," by Mr. C. J. Rowski-Conroy, M.Pharm., St. Albans, Herts. I would like to make some comments upon it. Your correspondent likes a dispension assistant, who is a likens a dispensing assistant—who is a person without any legal or professional recognition—to other "technicians" (laboratory technicians, physiotherapists, radiographers, etc.). It would seem that your correspondent is unfamiliar with the law relating to persons such as laboratory technicians, physiotherapists and radiographers, chiropodists, etc. He may like to know that these classes are by law regarded not as "technicians" but as professional people in their own right, there being in existence statutory registers upon which are entered the names and qualifications of legally qualified persons. The effect of the registers is to give the same legal status to the classes of persons to whom they relate as does the pharmaceutical register to pharmacists. Unlike the dispensing assistant, those "technicians" do in fact hold certificates both of qualification and statutory registration. It is not a case of "experience is all that matters," for in order to be legally recognised these "technicians" as your correspondent seems pleased to describe them, are obliged to undergo formal academic and clinical training, and to submit to professional examinations before becoming eligible for legal registration as

professional people. I am sorry it is necessary to write you on this matter but feel it is time that other professional personnel such as pharmacists were fully familiar with the situation. I do not, of course, know the scale of hospital salaries for dispensing assistants, but I venture to say that it is probably as good as or better than that given to the classes of professional persons whom your correspondent refers to as "technicians." As a professionally registered person myself, I am debarred from advertising and if, as I hope, you are willing to publish this letter, I must ask that my name and address be not disclosed. Accordingly I sign myself
PROFESSIONALLY QUALIFIED.

Attack on One is Attack on All

SIR,---May I, on my return from the British Pharmaceutical Conference (which I suggest and recommend every pharmacist to attend at least once in his life-time) re-echo the plea for unity of Professor Beckett in his contribution to the four good and excellently presented papers on pharmaceutical manpower. The papers and discussions could be summed up as "the 4 S's": Statistics, sex, salary, and support; but paramount was support for each other by each section. Each of us at times tends to view pharmaceutical problems as being only those of our own sec-tion, whether general practice, hospital, industrial or educational. It is only human to feel that way. Professor Beckett's appeal strikes the right note for pharmacy today. The problem of each section is the concern of all. We must support each other. The dispensing doctor and the rural pharmacist, the salary of the hospital pharmacist, the economic welfare of the general practising pharmacist, are inter-related problems. An attack on one group is an attack on all. Remember: "For whom the bell tolls."

MERVYN MADGE, Plymouth.

A PHARMACEUTICAL BYGONE



An ointment jar of about 1880 in the Alton, Hants, museum.



For Retailer, Wholesaler and Manufacturer
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Published weekly at 28 Essex Street, Strand, London, W.C.2

TELEPHONE: CENTRAL 6565

Highlights of the 1964 Conference

"A CHEERFUL Conference." That was the chairman's appraisal when the Edinburgh meeting had hardly reached the half-way stage, and later events confirmed that his impression was correct. The Conference Executive and Edinburgh local committee and their colleagues have rightly earned sincere congratulations for their work.

An innovation of this year's meeting, namely the Conference Club, proved an outstanding success. It provided opportunities for informal encounters and relaxation, and for conversation and the chance to "talk shop" and renew acquaintanceships. The Executive should seriously consider including a similar feature at future conference meetings.

Attendances at the science sessions were extremely high, even at the last session on Friday afternoon, when, indeed, a record attendance was reported and the discussion continued to the full limit of the available time. The science papers were wide in their range, and invoked much comment, an unusual and welcome feature being the contributions to the discussions by overseas visitors Professor S. E. Wright, Sydney, Australia (who also presented a paper), and Professor S. Reigelman, San Francisco, U.S.A.

As to the chairmanship of the Conference, a speaker at the closing session will be echoed for declaring that Dr. W. Mitchell guided the sessions "with a refreshing lightness of touch."

It was unfortunate that another experiment due to be tried out at Edinburgh was not in fact launched. It had been decided to institute an additional type of contribution in the form of "discussion topics." Six were submitted but none was considered likely to lead to a general and well informed discussion, so all were, in the event, abandoned. We hope the idea may not be entirely ruled out from future conferences because of failure on the present occasion. The experiment appears to contain the embryo of possible success, given a little further midwifery. Perhaps the Executive might give more guidance as to content and treatment next time.

The Conference lecture, "Transplantation of Tissues and Organs," by Professor M. F. A. Woodruff, was extremely well presented and thoroughly appreciated by those present.

The first professional session had its highlights and its disappointments. Dr. Boyes's excellent paper was, or should have been, thoroughly provocative, but the questions and discussion hardly reached the expected stan-

dards. The absence of any vigorous rejoinders to Dr. Boyes's proposals from pharmacists in industry, who were vitally concerned with the problems of self-medication, was surprising. Surely they were not all convinced by the speaker's arguments!

The symposium subject of aerosols was adequately covered by the four speakers, and the discussion that followed underlined the necessity for those responsible for formulation, filling, packaging and design to ensure a continuing co-operation, so that changes in specifications do not give rise to untoward effects. Despite evidence that aerosols in general do not appear to be harmful, their extension to pharmaceutical application should be undertaken with extreme caution, ensuring that adequate tests are applied for absence of toxicity and accurate dosage.

Pharmaceutical Society of Northern Ireland

MONTHLY MEETING OF COUNCIL

THE monthly meeting of the Council of the Pharmaceutical Society of Northern Ireland was held in Belfast on September 10, the president (Mr. N. C. Cooper, M.Sc.), in the chair, other members present being Messrs. A. T. Hardy, W. H. Boyd, L. J. Davidson, B.Sc., B. Flatley, J. Gordon, W. T. Hunter, J. Kerr, J. Paul, Walter C. Tate, A. Templeton, J.P., and Professor O. L. Wade, M.D.

The Council accepted the application of Mr. N. A. Berry to have his name restored to the Society's register after

two years in England.

The Ministry of Home Affairs has asked the Council to clarify its proposal to make a university degree the only method of becoming a pharmaceutical chemist in Northern Ireland. Members agreed that Council representatives should seek an interview with the Minister to discuss the issue.

The Associates' Section of the Ulster Chemists' Association has nominated Mr. R. G. P. McMullan and Miss A. E. Thompson to sit on the Society's "Future of Pharmacy" Committee.

The date of the annual meeting has been fixed for October 5.

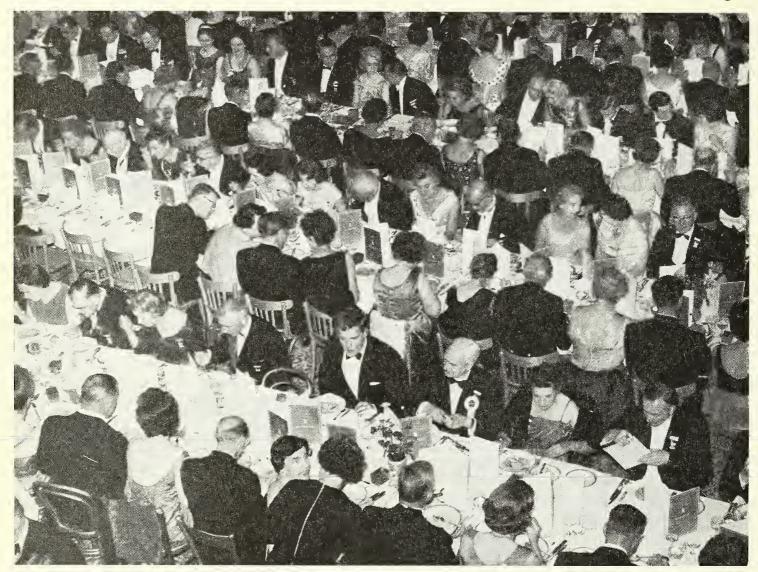
A PHARMACIST'S ANTHOLOGY IN THE TRADITION OF COMPROMISE

From a column by I. B. in the Observer (1930)

THE English chemist is true to the national tradition of sane compromise. He dresses himself demurely and his window wantonly. He keeps up the air of learning with his Latinity, but also he feigns the Chaldean and the conjuror with his magic bottles. He would scorn to have English labels on his rows of jars, and he masters the mysterious tongue and the appalling scrawl which go to make up a doctor's prescription. (Or, at least, he pretends to read it, and we drink his interpretation of the mystery without any notable signs of dissolution and destruction). We like him to have a grave voice and presence, to look at us over gold-rimmed glasses, and to wear a three-guinea Harley Street look, as he whispers with the most confidential concern, "Will you take it in the liquid or the Tabloid form?" So far, so grave. But further, the English apothecary refuses to sustain the part of professional adviser. He goes suddenly gay, piles his glittering window with soaps and scents, and offers every service to vanity. The laboratory becomes a bazaar, the pedant is turned to a pedlar with a ribboned pack.

BEYOND REPROACH: The fact that not one individual in the course of the year saw fit to make a complaint indicated that the standard of service being provided by doctors, dentists, chemists, and opticians in the area is highly satisfactory.—Annual report of the Stirling and Clackmannan Executive Council.

101st meeting of the British Pharmaceutical Conference, Edinburgh



SOME OF THE DINERS AT THE BANQUET IN THE ASSEMBLY ROOMS

Conference Banquet

AT the Conference banquet on Wednesday evening, MR. C. MAPLETHORPE (Conference president) acknowledged such kindness from the officers of the city that he could not treat the toast "The City and Royal Burgh of Edinburgh" as a "completely formal toast." Mere formal words would be insufficient to reflect the Conference members' appreciation. RALLE THOMAS members' appreciation. BAILIE THOMAS Morgan, who said he had enjoyed every moment he had spent with the

Mr. H. Nuppenau, Copenhagen, Denmark, is reeeived by the president at the banquet held on Wednesday evening, September 16.

Conference, thanked the president for proposing the toast in such acceptable terms. Giving a reminder that one Conference member (Bailie George Hedderwick) was a member of the town council, he declared "It takes a pharmacist as well as others to run the

PROFESSOR J. CROFTON (dean of the faculty of medicine, Edinburgh University) said he proposed to toast "The British Pharmaceutical Conference" in admiration, humility and gratitude. "We clinicians have good reason to be grateful to pharmacists. We might go and collect a few foxgloves for a car-diac patient, or persuade an anaemic patient to consume large quantities of raw liver, but in general we should be lost therapeutically without you. Some of us might saw off a few limbs, but it wouldn't be much fun without your anæsthetics." Like all great professions, said the professor, pharmacy had its critics. The public attitude was a sort of love-hate relationship towards some esoteric group that had some some esoteric group that had some special skills "which we don't comprehend, but on which we know we depend." The power of the pharmacist, and the obscurity of his knowledge, were resented but needed. Nowadays mystery had been wafted away by science. Patients gained their benefit from a bottle of SANS STIM "which in small print is described as partly amino, mostly aceto alpha acetyl, beta butyl, gamma glutyl, delta futyl guanido phosphoridine. Nowfutyl guanido phosphoridine. . . . Nowadays the whole thing is as serious as that!"

Biological systems, he went on, were so complex, so full of feed back and adjuster mechanisms, that the unfortunate research worker seemed to be doing something with a chosen remedy when often she was only putting herself right. In research and chemotherapy there were the occasions when, after vainly trying one thing after another, something turned up that worked for no apparent reason whatsoever. The vast number of substances pressed upon prescribers were a symptom of pharmacists' dynamic ability. It was heartening to see the profession's metamorphosis from impoverished eccentric alchemists to the intelligent, handsome and modestly prosperous men and women before him.

DR. W. MITCHELL (Conference chairman) replied to the toast. He



The Conference chairman (Dr. W. Mitchell) president (Mr. C. W. Maplethorpe) and Mrs. Maplethorpe receive Mr. J. E. Balmford (a member of the Pharmaceutical Society's Council) and Mrs. Balmford at the banquet.

Below: Mr. C. Maplethorpe (president) and Dr. W. Mitchell (chair<mark>man</mark>) look on as Mrs. G. H. Macmorran presents a bouquet to Mrs. Maplethorpe.

set out on Wednesday morning mixed weather. Leaving Edinburgh by the A9, the route passed Turnhouse aerodrome, used by the Royal Air Force and home of 603 Squadron, which shot down the first German plane in the 1939-45 war. Passing through Kirkliston and Winchburgh, excursionists saw bings of spent shale. They are, of course, relics of the original shale-oil industry. Linlithgow Palace (birthplace of Mary Queen of Scots) was passed and a plaque commemorating the association of chloroform with the town (Simpson's experiments in anæsthesia) was pointed out. In Falkirk there was seen the oldest pharmacy in Scotland. The town has a long-established connection with metal castings (Carron oil was first

pointed out that the Conference, now over 100 years old, was still more or less in its original form and must be said, therefore, to be a success. For the particular success of the present meeting he wished — stepping outside his terms of reference — to thank the local committee, and especially Messrs. R. A. Brodie and Moncur and their band of willing helpers. He thanked Professor Crofton for the gracious way

he had proposed the toast.

MR. MAPLETHORPE then rose to propose his second toast: "The Guests." He asked Bailie Morgan to convey to the Lord Provost of Edinburgh the good wishes of the Conference, and complimented Professor Crofton upon his fascinating survey of modern drugs, "especially the futile group." Pro-fessor Woodruff, who had given the Conference lecture, he described as "a real master of his craft." To principal and Mrs. Nisbett of the Heriot-Watt College everybody owed a great debt. "How happy we are to know the Heriot-Watt is to become a second University of Edinburgh." Dr. Whitley (Minister of St. Giles' Cathedral) had had a distinguished career and Mrs. Whitley was "a lady of great importance and talent." Breaking with tradition he proposed to couple two names with the toast, those of Dr. and Mrs. Whitley.
In his response Dr.

(Chaplain to the Queen in Scotland) told how, as a small boy, he had attempted to capture the perfume of his father's carnations and roses by boiling them. The result—a dirty liquid without perfume—had turned him against becoming a scientist.

Each lady attending the ball found a gift box at her table place. Appropriately the box was covered in a tartan design and contained an example of local cut-glass ware. Those ladies not attending the ball but who were members of the Conference received their gifts the next day.

Conference Ball

THE Conference ball was held at the Assembly Rooms on Friday night, September 18. Members were able to dance in either of two ballrooms and thus to either of two bands. It was noted that the dance floor of the room containing sources of refreshment was usually the more crowded. During a short interval there were demonstra-





Dr. W. Mitchell with local officers and tadies after the chairman, treasurer and secretary had received presents in silver in recognition of their efforts in organising the Conference meeting. In the group are Mr. J. A. Hiddleston, Mrs. Hiddleston, Mrs. A. E. M. Patterson, Dr. W. Mitcheli, Mrs. W. J. Tomson, Mr. A. W. Patterson, Mrs. E. Knott and Mr. E. Knott.

tions of Scottish dancing and some of the old gaelic songs were sung. Later in the evening there were presentations of silver to the local Conference committee chairman, secretary and treasurer. The ceremony of the handing over of the Conference chairman's badge to his successor could not, unfortunately, take place, because Mr. Denston had had to leave the Conference earlier because his wife was ill.

Trossachs Tour

A longer than usual excursion for the ladies took the form of an extended tour of the Trossachs, lunch being served en route. Seven coaches in all

associated with the Carron iron works). On the way to Stirling was traversed the village of Bannockburn (scene of the battle in 1314). By-passing the main parts of Stirling, the Castle was seen on the right and on the way were the villages of Thornhill, Port of Montieth and Aberfoyle. From the Trossachs hotel after lunch a visit was paid to Loch Katrine and the return journey passed Brig o' Turk, Callander, Doune, Dunblane and Bridge of Allan, Again by-passing Stirling, the route ran to the north of the Forth estuary through Alloa, Clackmannan, Kincardine-on-Forth, reaching the north entry to the new Forth Road Bridge. On the south



Conference members leave George Street on a bus tour of the Pentlands,

side, entry to the capital was via Cramond Bridge, Barnton, Blackhall and Dean Bridge.

Pentland Panorama

It is difficult to appreciate a panorama, however beautiful, through pouring rain. Nevertheless excursionists thoroughly enjoyed Wednesday afternoon's tour of the Pentland country. Skirting the Pentlands, the route passed the Boghal experimental farm and later Rullion Green, scene of the massacre of the Covenanters. The hamlet of Carlops was chosen for retirement by C. T. R. Wilson, whose cloud-chamber experiments gave impetus to electron research,. From Carlops to West Linton and Biggar there was typical Scottish hill pastoral country (in Biggar is the burial place of the Gladstone family). Returning via Blyth Bridge and Leadburn, the route passed through Howgate, associated with "Rab and his Friends," and to the left was seen Glencorse, headquarters of the Royal Scots.

Seeing the Department

For those Conference members with insufficient energy to engage in sporting activities on Thursday afternoon, the pharmacy department of the Heriot-Watt College was open to inspection. The department overlooks a small quadrangle, entered from the Grass-

market by way of an arch. Above its doorway is the traditional Edinburgh sign of a pharmacy, a gilded pestle and mortar. Visitors were shown over the department by members of the staff and points of interest in the techniques taught to present-day pharmacy students were explained. Any pharmacist who had not previously seen an "ethical" dispensing laboratory, for instance, would probably have been surprised to find how wide was the range of products carried. That new means of affording experience in "practical forensic pharmacy" is becoming an increasingly important part of the training. The department, like the city of Edinburgh itself, is a mixture of old and new. Several laboratories in the old building seemed bursting at the seams, and additional accommodation in the new block now being erected a short distance away is eagerly awaited by the physiology and pharmacology sections. By contrast the four-year-old block on the other side of the quadrangle has space, light and, from its higher points, stimulating views of the Castle. It was, perhaps, unfortunate that, with the new session still a week or two away, no students were in evidence to give that atmosphere always guaranteed to evoke from the already qualified the comment "Now in my day. . . .

Hospital Pharmacists Entertained

Scottish nationalism and hospitality go together, are never separated, and one is complementary to the other. So it was with the Guild of Hospital Pharmacists' evening, held in the most magnificent entertaining rooms of the nurses' home of the Edinburgh Royal Infirmary on Tuesday. Standards and precedent have been set before, but in their true fashion the Scots surpassed what had come to be expected of a hospital function. The "notables" of hospital, industrial, and general practice of pharmacy, were all present to enjoy the wakes and full justice was done to a peritifs, both solid and liquid, and to the more substantial repast provided a little later. Good food and refreshment are always conducive to good talk, and replete, the guests were entertained to a series of films, all not unnaturally, about Scotland, its history and beauty. A generous welcome by the chairman

A generous welcome by the chairman of the East of Scotland Branch (Miss Latto) and a thanks from the president of the Guild (Mr. E. J. Fitchett) provided the only formality in a pleasant

informal atmosphere.

Women Pharmacists' Presentation

A sherry party was held at the Royal hotel, Edinburgh, on Thursday evening, when members of the National Association of Women Pharmacists showed their appreciation of the manner in which Miss O. W. Scarlett had, as treasurer, "kept the purse strings gently but firmly for ten years." Miss Scarlett received a clock, a bronze pestle and mortar and a bouquet from Mrs. D. Skilling acting on behalf of her colleagues in the Association. Other speakers included Miss M. A. Burr, Mrs. E. J. M. Leigh and Mrs. E. N. J. Jones.

Accident

Two pharmacists attending the Conference were involved in a motor accident on Thursday night. They were Mr. G. Bryan (chief pharmacist, Middlesex Hospital, London) and Mr. W. H. Whitaker (London area manager, Parke, Davis & Co.). Both were taken to Stirling Royal Infirmary and detained suffering mainly from facial injuries, and Mr. Whitaker from bruising of the chest, They were able to leave hospital on September 23.



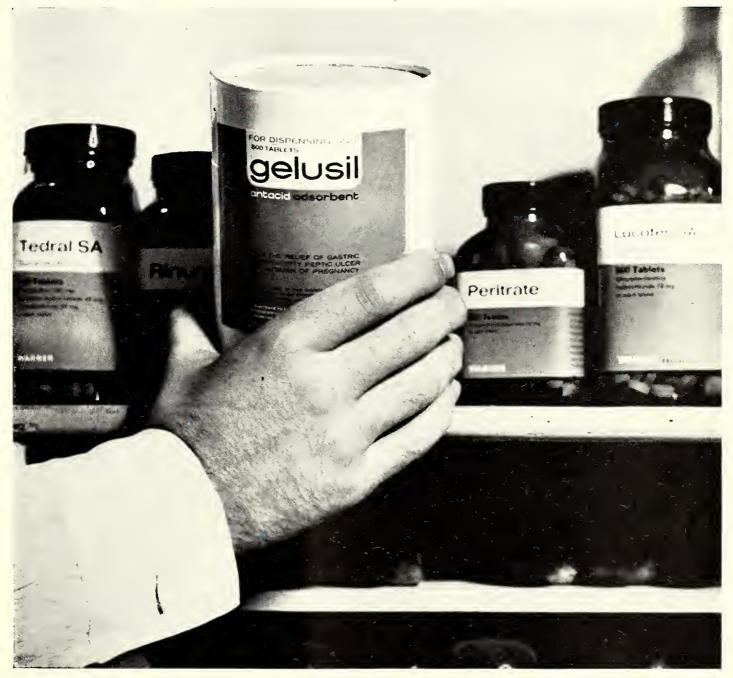
APPARATUS FOR EDUCATION: Mr. Lyle (pharmacy department, Heriot-Watt College) explains a point to visitors on September 17.



V.I.P.S RELAX: Messrs, J. C. Hanbury, S. C. E. Stevens, and A. G. Shaw, Drs. Harold Davis and D. C. Garratt at the Conference club.

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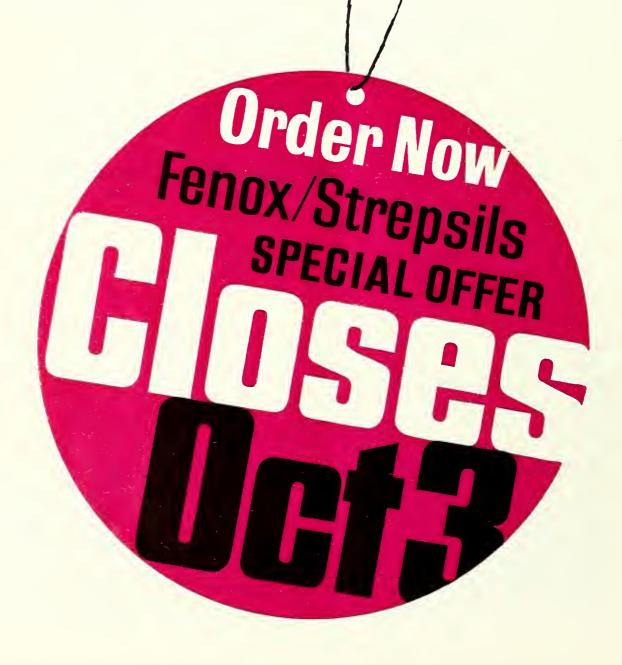
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GOLFERS AT THE FIRST TEE AT GULLANE BEFORE PLAY

Conference Sport

THE Conference sports competitions were held on Thursday afternoon; golf at Gullane No. 2 course, a seaside links about twenty miles from Edinburgh, and bowls and tennis at Braid Bowling and Tennis Club, on the South side of the city. Trophies were presented to



TENNIS CONTESTANTS: Mr. W. H. P. Clarke, Mrs. H. Rowe, Mrs. Clarke and Mr. H. A. Rowe after their game of tennis on September 17.



BOWLERS AND BOWLS: Messrs, J. A, Hiddleston, J. Parkinson, J. Wood and Dr. F. J. Elliott; and (front row) Messrs, J. G. Coleman and W. M. Miller photographed on the green on September 17.



Dr. T. F. Macrae (Glaxo Research, Ltd.) in play at the golf contest.

the winners by the Conference chairman (Dr. W. Mitchell) at the Conference club on Thursday evening. Commenting on the weather, he said that conditions for golf had been dry "all except the nineteenth hole."

Results:—Golf. 1, C. J. Martin, Crawley; 2, S. Crookshanks, Aberdeen. Best scratch score, C. J. Martin, A special prize donated by the Edinburgh and South-eastern Scottish Branch of the Pharmaceutical Society and played for at an outing arranged by Edinburgh Chemists Golf



TENNIS CUP-HOLDERS: Dr. and Mrs. E. Fullerton.

Club was won by Mr. Brendan Smith, Dublin; runner-up, Mrs. J. Mackenzie, Bowls. Winning skip, F. Melrose, Glenrothes; W. C. Macmaster, Glasgow; R. B. Birrell, Giffnock, Tennis. 1, Dr. and Mrs. E. Fullerton, Slough; 2, Miss M. W. Elliott and Mr. G. W. Hallworth, Ware.

University Reception

A NUMBER of members of the Conference were invited to a reception at the Upper Library, University of Edinburgh, on the evening of Thursday, September 17. Members were received by Professor J. Crofton (Dean of the Faculty of Medicine) and visitors were able to admire an exhibition containing a number of the first and early editions of Shakespeare's works.



TROPHIES FOR BOWLS: Dr. Mitchell with Messrs, R. B. Birrell, F. Melrose and W. C. Macmaster after he had presented them with their trophies in the Conference bowls championship.







UNIVERSITY RECEPTION: A group photographed at the reception of guests by Professor J. Crofton (dean of the faculty of medicine) at the library of the Old College of the University of Edinburgh on September 17. Left to right: Mr. W. J. R. Mitchell, Dr. William Mitchell, Professor Crofton, Mrs. C. W. Maplethorpe and Mr. Maplethorpe.



SOME OF THE GUESTS AT THE CIVIC RECEPTION ON SEPTEMBER 18.



COFFEE BREAK AT LEITH: Mr. C. W. Maplethorpe (president of the Conference) with Dr. W. Mitchell (chairman), Bailie T. Morgan (representing Edinburgh Town Council), and Mr. J. W. Goodchild (chairman of the Executive, Scottish Department of the Pharmaceutical Society).



Left: Mr. T. C. Denston accepts office as 1964-65 chairman of the Conference. Right: Mr. J. Edwards, Cardiff, invites the Conference to meet in the Welsh capital, September 6-10, 1965.



AT THE RECEPTION AT EDINBURGH UNI-VERSITY: Mr. N. A. Herdman, Edinburgh, with Mrs. C. G. Drummond, Edinburgh, and Mr. J. G. Coleman, Dublin.

Closing Session

The closing session of the Conference was held in the Heriot-Watt College on Friday afternoon, September 18, when it was agreed that the next Conference meeting should be held in Cardiff during the week beginning September 6, 1965. The invitation to meet in the Welsh capital was given by MR. J. EDWARDS, Cardiff. Its acceptance was moved by MR. J. D. MACKENZIE and formally seconded by the Conference PRESIDENT (Mr. C. W. Maplethorpe). Members approved the appointment of MR. T. C. DENSTON as Conference chairman for 1965, and the Conference Executive reported "with regret" that Dr. D. Train was unable to accept renomination as one of the general secretaries owing to pressure of



CLUB NIGHT: Mr. M. Madge and Mrs. H. Chatterton, Miss S. Patterson, Mr. L. A. Chatterton, Mrs. B. Patterson and Mr. W. F. Patterson at the Conference club on September 17.

business commitments. Mr. K. A. Lees was nominated and accepted to fill the vacancy. The following were also elected to serve on the Executive for the period 1964-67:—Messrs. A. M. Cook, T. O. Martin and S. G. E. Stevens. The remaining elected members were Messrs. G. Bryan, S. Durham, C. A. Johnson, J. J. Lewis, G. Sykes and Dr. H. D. C. Rapson. A member of the Conference proposed that the special thanks of the Conference should be recorded for the work that Dr. Train had put in on behalf of the Conference over a number of years. The Executive also placed on record its thanks for the willing and efficient services over a period of years of Miss Whiteside, who was no longer associated with the work of the Conference. As the members left the hall they were met by Cardiff members handing out envelopes containing brief notes on Cardiff and the "warmest of Celtic welcomes to the 1965 Conference."



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A skilfully blended luxury shampoo plus a subtle hint of colour, for regular weekly use. Retail price 1/2d a sachet.
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The lanolised ultra bleach for lightening and brightening the hair or for white bleaching. Retail price 3/6d per carton. Wholesale price 2/- per carton plus P.T.

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A permanent, non-fading liquid tint giving 100% coverage on any amount of grey or white hair. Retail price 4/8d.

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An instant-action hair colour stain remover with a delightful perfume. Retail price 2/11d per bottle. Wholesale price 6/8d per carton of 4 plus P.T.

Inecto

Shampoo Hair Colour Remover

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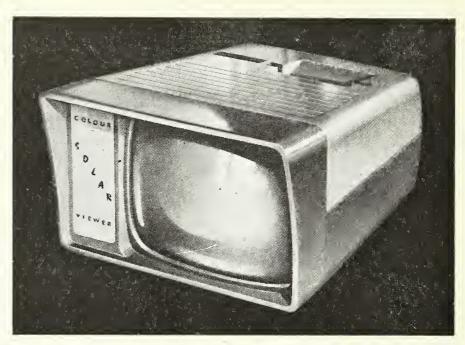
May also be used as a lacquer remover.

Retail price 2/11d per bottle. Wholesale

permanent, non-fading, oil-based price 6/8d per carton of 4 plus P.T.

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The Solar is the slide viewer for those who demand the very best. Two extra large optically worked glass lenses give comfortable big picture viewing, no need to turn viewer for upright pictures. It uses a 3.5v. lamp and three UII batteries and a

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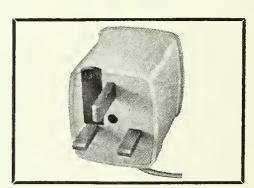
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Mains transformers are available to enable either the Solar or Stellar to be used direct from the mains, thus economising on batteries. There are three models available. Model 1: Combined transformer and standard 5 amp. 3-pin type plug. 27/6. Model 2: Similar transformer, without plug. With 18 in. mains cable to which may be attached any type of 3-pin plug. 27/6. Model 3: Similar to Model 1, but Model 3 takes the form of a standard 13 amp. flat pin-fused top. 29/6.





101st meeting of the British Pharmaceutical Conference, Edinburgh

FIRST PROFESSIONAL SESSION

Discussion on Self-medication

FIRST to speak when the president (Mr. C. W. Maplethorpe) invited discussion on the paper presented by Dr. G. R. Boyes on September 16 (see C. & D., September 19, p. 287) was MR. KEITH JENKINS, Bovingdon, Herts, who thought that the great obstacle to the pharmaceutical control of self-medication was the vested interests of proprietary manufacturers seeking expanding markets for their products. To achieve that they had to go beyond the pharmacist as a distributor. To limit sales to pharmacists was in fact to contract the market. That must be overcome. He appealed to economists concerned in pharmaceutical manufacture to consider the wisdom of their present policies.

DR. T. D. WHITTET, London, said that from a study during the last year or so of the available evidence concerning the toxicity of phenacetin preparations, there was little doubt in his mind that phenacetin itself was toxic. MR. J. W. HADGRAFT, London, suggested that conclusions regarding toxicity arising from self-medication could be "out of perspective." Phenacetin had been in use for many years. The pharmacist might find himself at a disadvantage in advising against self-medication because of the full force of mass media mobilised against him. In refusing to make a sale he could well forfeit the good-will of the person he was wanting to help. Mr. Hadgraft would prefer to see more control of the marketing of medicines—far more than could be achieved by the Dunlop Committee.

Co-operation With Other Professions

A plea for co-operation from other professions in protecting the public from self-medication was made by MR. A. ALDINGTON, London. In a pilot scheme operated by the medical officer of Chelsea and Kensington that official had sought the co-operation of pharmacists in distributing health literature. "Co-operation with medical practitioners is part of our work, but not always do medical practitioners co-operate with us." He cited an actual instance from which the patient's confidence in the pharmacist was disturbed. He would like to have the co-operation of pharmacists who were managing directors or sales directors of companies manufacturing proprietary medicines, or who were promoting the sales of medicines outside pharmacy. "That is deplorable. It is a domestic matter that should be discussed here."

MR. MERVYN MADGE, Plymouth, referred to price cutting in toiletries. It might or might not extend to medicines, and some policy was needed. There was also indirect price cutting, as when, with a product purchased in the large size, the customer received a small size free. That was an inducement to self-medication.

It was remarkable, said Mr. A. R. G. CHAMINGS, Shoreham-by-Sea, that the

professional session, 1964, should be discussing self-medication when the United Kingdom boasted a highly specialised and unique medical service.

MR. B. V. ATKINS, Whitley Bay, sought an explanation for the duality of certain large organisations, claiming credit on the one hand for having benefited mankind by synthesising a penicillin molecule, and on the other encouraging grocers to sell "patent" medicines in a completely immoral and anti-social way.

MR. J. A. MYERS, Edinburgh, declared there was a lack of statistics on the number of persons injured by buying of drugs from supermarkets and corner shops. "We must get that information and legislate accordingly."

"Otherwise Mere Quacks"

MR. J. KUDISH, Finchley, advised pharmacists to prescribe "according to your knowledge and ability and you won't go far wrong." DR. FRANK HART-LEY, London, took up the point, asking "What is knowledge?" There could hardly be a person in the room who could say much about drug interactions. Pharmacists were dealing today with potent materials. Was there anyone who could say what influence phenacetin, caffeine and codeine had on the toxicity of aspirin in "multiple-formula" products. "We do not know sufficient about the action and effect of one substance upon another." In the search for additional business it was often assumed that the properties of a mixture would be the sum of those of each component, "but we really do not know." The pharmacist should scrutinise multi-ingredient mixtures most carefully. "Otherwise we shall in fact be mere quacks. If we are quacks, we cannot claim the safeguarded position we seek. If we attempt to prescribe within our knowledge, as the previous speaker urged, we shall not prescribe at all."

MR. T. LLOYD JONES, Rhyl, as a hospital pharmacist, thought Dr. Boyes's views were logically, morally and ethically sound. A serious matter that should be considered was the dispensing of medicines for doctors by persons having no training in pharmacy.

MR. S. DURHAM, Sheffield, referred to

MR. S. DURHAM, Sheffield, referred to the pattern of prescribing under the N.H.S., whereby patients "year in and year out" were getting "nothing but repeat prescriptions." He wanted to know if the "pushing of drugs over the counter was any more dangerous than going to see the doctor?"

MRS. S. DICKINSON, Nottingham, felt the public relied on the pharmacist for the relief of symptoms of such things as over-eating and the common cold, it did them no harm to use the products they bought. The real problem was the "jumbo-sized economy packs" of proprietary medicines. If a small size was not effective in alleviating the symptoms, the patient should be encouraged to see a doctor.

No Simple Answer

MR. P. CREES, Birmingham, thought there was no simple answer to the complex problem. What chance had the pharmacist in view of the £ millions being spent on advertising by manufacturers of proprietary medicines? There was a difference between having a deep-seated urge to self-medication and being brain-washed to purchase products for self-medication. "We should remind ourselves that nobody who is selling anything for profit wants to lose a customer. That is why the manufacturers sell laxatives, purgatives and palliatives to create permanent customers. We ought to ask whether the present set-up makes it possible for us to have any hope of success?"



A GROUP OF CONFERENCE VISITORS FROM WALES, many of whom were seen taking notes during the week in preparation for the 1965 Conference meeting at Cardiff.



What doctors are reading about developments in drugs and treatments

THREE papers on a new beta-adrenergic blocking agent propranolol (Inderal-Imperial Chemical Industries, Ltd.) are presented by workers from the Institute of Cardiology and National Heart Hospital, London; Royal Victoria Infirmary, Newcastle upon Tyne, and University College and Whittington Hospitals, London. From a study, in twenty patients, of exercise tolerance before and after intravenous injection of the drug, it is suggested that betaadrenergic blockade may be helpful in angina pectoris. In a double-blind trial on twenty patients with angina of effort, using the drug and a placebo, favourable, though not statistically significant, results were obtained, justifying a more extended trial. Tested alone and in combination with other drugs, propranolol was found to exert a considerable hypotensive action in both hypertensive and normotensive patients. Undesirable side effects reported from use of an earlier analogue pronethalol have not been reported by the present authors. (B.M.J., September 19, pp. 720, 724, 725.)

Two cases of sensitivity reactions (one of renal damage and one of severe stomatitis) associated with the use of phenindione, are reported from University College Hospital, London. Second courses of the drug led to renewed symptoms. Eight cases of severe renal damage attributed to phenindione have now been reported and these are reviewed. (B.M.J., September 19, p. 730.)

In correspondence, the chairman of the medical board, Dutch Family Planning Association, reports on an investigation into the influence of oral contraceptives on liver function in younger women. The letter, prompted by a reported investigation in post-menopausal women (see C. & D., August 22, p. 179), states that the results in Holland gave no reason to believe that oral contraception with either Conovid or Lyndiol would damage the function of the liver in any way. (B.M.J., September 19, p. 755.)

"CONSISTENTLY successful results," obtained by the early treatment of sixteen cases of severe herpes zoster with high doses of prednisone, are reported by Professor F. A. Elliott (University of Pennsylvania). Dosage in fourteen cases was 60 mgm. daily for one week; 3i) mgm. daily for the second week, and 15 mgm. daily for a third week. Two cases received 300 mgm. of cortisone acetate for the first week in place of prednisone. Average duration of pain was 3½ days after treatment was started, compared with 3½ weeks in eight cases in an untreated control group of ten. All patients were aged over fifty years.

(Lancet, September 19, p. 610.)

A NEW term, "pharmacopoietic," to describe "those clinical symptoms and

entities which are caused by defects in the quality of drugs and which are the result of actions or omissions of the drug maker," is proposed (in correspondence) by Dr. Ph. Jacobs, Eudokia Hospital, Rotterdam, Holland. He states that quality defects in drugs are usually unsuspected by the prescribing doctor. The responsibility for undesired clinical effects due to quality defects, he suggests, should therefore be carried by the pharmacist (industrial, retail, or hospital), or more generally by the drug maker. "One of the main tasks and responsibilities of pharmacy and the individual pharmacist could indeed be defined as the prevention of pharmacopoietic effects of drugs through quality control from the raw materials right until the moment of administration." (Lancet, September 19, p. 650.)

NEW COMPANIES

P.C. = Private Company. R.O. = Registered Office B.D.H. (LONDON WHOLESALE), LTD. (P.C.).—Capital £1,000. To carry on the business of wholesale chemists and druggists, etc. Subscribers: Frank W. Griffin, F.P.S., and H. Treves Brown, F.P.S.

BETTY CLEAVER, LTD. (P.C.). — Capital £100. To carry on the business of dealers in proprietary medicines, panaceas, etc. Directors: Betty Cleaver and Douglas D. S. Aitken, R.O.: 2 Church Hill, Cubbington, Warwicks DUNCAN & DUNCAN (CHEMISTS), LTD.

(P.C.).—Capital £100. To carry on the business of manufacturers of and dealers in chemicals, etc. Subscribers: S. Feldman and Mrs. B. Matz, 149 Hanover Road, London, N.W.10. FRABURG, LTD. (P.C.).—Capital £5,000.

To carry on the business of chemists and drug-gists, etc. Directors: John C. Burge and Gordon R.O.: 58 King Street, Maidenhead. Berks.

HARRISON'S CHEMISTS (WALTHAM-STOW), LTD. (P.C.).—Capital £100. To carry on the business of wholesale, retail and dispensing chemists, etc. Directors: William S. Bell, George G, Bell and George E. G. Tinwell. R.O.: 8 Station Road, London, E.17.

KINTSMIX, LTD. (P.C.).—Capital £100. To carry on the business of selling agents to the pharmaceutical chemical trades, etc. Subscribers: Jean Herbert and Thomas A. Herbert, 156 Strand, London, W.C.2.

LE BRASSEUR SURGICAL, LTD. (P.C.).—Capital £15,000. To carry on the business of manufacturers of and dealers in surgical appliances, etc. Directors: Victor M. Desmond and Michael V. E. Desmond, R.O.: 28 Bristol Street,

Birmingham, 5.

MAGNUS CHEMICAL CO., LTD. (P.C.).—
Capital £100. To carry on the business of manufacturers of and dealers in chemicals, etc. Henry F. Winfield is first director. R.O.: Salisbury Road Industrial Estate, Uxbridge, Middlesex

MEDISURGE, LTD. (P.C.).—Capital £1,000. To carry on the business of dealers in surgical appliances, etc. Subscribers: Shirley Hart and Averill Hart. R.O.: 1 Baker Street, London,

ORCADENE CHEMICALS, LTD. (P.C.). Capital £100. To deal in pharmaceutical, medicinal, cosmetic, hygienic and other preparations, etc. Subscribers: Shirley Hart and Averill Hart. R.O.: 1/3 St. Paul's Churchyard, London, E.C.4.

PATENTS

COMPLETE SPECIFICATIONS ACCEPTED

From the "Official Journal (Patents)," September 9

Apparatus for inducing anæsthesia, N. L. Wulfsohn and W. V. McBride. 972,926.

Apparatus for feeding multiple-dose jet injectors.

Allen & Hanburys, Ltd. 972,939.

Collapsible optical projection screen unit. Agfa. A.G. 972,941.

Steroids, Soc. Farmaceutici Italia, 972,953.

Process for the manufacture of benzodiazepine derivatives, F. Hoffmann-La Roche & Co., A.G. 972,961-67, 972,969.

Benzodiazepine derivatives. F. Hoffmann-La Roche & Co., A.G. 972,968.

Quinazoline 3-oxides and a process for the manufacture thereof. F. Hoffmann-La Roche & Co., A.G. 972,970.

Benzophenones and the preparation thereof, Hoffmann-La Roche & Co. 972,971, 972,975. Trifluoromethyl-benzoplienones and the preparation thereof. F. Hoffmann-La Roche & Co., A.G. 972,973, 972,976.

Method for purifying 7-chloro-1-methyl-5-phenyl-2,3-dihydro-1H-1,4-benzodiazepinone-(2). F. Hoff-

mann-La Roche & Co., A.G. 972,974.

Anthelmintic compositions containing phenothiazine. Cooper, McDougall & Robertson, Ltd. 972,981.

Preparation of fluorinated nitroso compounds. R. N. Haszeldine, 972,982,

Pharmaceutical compositions comprising phenone derivatives. Upjohn Co. 972,998.
Ribonucleosides of S-heterocyclic 6-thiopurines.

Wellcome Foundation, Ltd. 973,007.

N1-substituted derivatives of N-(2methoxyphenyl) piperazine, Dr. C. Janssen Research Laboratorium, N.V. 973,008.

Process for the preparation of pregnane deriva-

tives from pseudosapogenins and their esters.
Welsbach Corporation, 973,010.

Acetyl malonamates. Chas. Pfizer & Co., Inc. 973.022.

Process for the preparation of phenyl-ethanolamine derivatives, and diacylated phenyl-ethanolamines. Osterreichische Stickstoffwerke, A.G. 973,025.

Steroid product and process for preparation. American Cyanamid Co. 973,026.

Hydrazones and process for preparing same. CIBA, Ltd. 973,027.

Process for the preparation of α-benzimidazoly!-B-benzoxazolylethylene derivatives. CIBA, Ltd. 973.029.

Photographic-printing apparatus, Agfa, A.G. 973,041.

Photographic camera. Agfa, A.G. 973,053. Haeniostatic clamp. Canadian Patents & Development, Ltd. 973,059.

Shampoo composition. Procter & Gamble, Ltd. 973.093.

Automatic power cut-offs for labelling machines. Geo. J. Meyer Manufacturing Co. 973,128.

Hold-down apparatus for labelling machines. Geo, J. Meyer Manufacturing Co, 973,129. (4-acetyl-1-naphthoxy) propyl esters. Pfizer, Ltd.

Hydroxy-aldehydes of the pregnane series and functional derivatives thereof and a process for their manufacture, CIBA, Ltd. 973,143. Process for the manufacture of 18:20-lactones of

the pregnane series. CIBA, Ltd. 973,144. 18,20-lactones of 20-hydroxy-pregnane-18-acids. CIBA, Ltd. 973,145.

9-halogenated 18:11-lactones of 11\beta-hydroxypregnane-18-acids. CIBA, Ltd. 973,146.

Process for the oxidation of 20-hydroxy-pregnanes. CIBA, Ltd. 973,147.

Dental instruments. R. Gallay. 973,190.

Anthelmintic compositions containing organo-phosphorus esters. Cooper, McDougall & Rob-ertson, Ltd. 973,231.

Treatment of seeds, Spencer Chemical Co. 973,236.

Power-driven tooth-brushes, Philips Electronic & Associated Industries, Ltd. 973,270.

Tear strip packaging, Dow Chemical Co. 973,297. compounds. Farbenfabriken Bayer, Coumarin A.G. 973,320.

British patent specifications relating to the above will be obtainable (price 4s. 6d. each) from the Patent Office, 23 Southampton Buildings, Chancery Lane, Lendon, W.C.2, from October 22.

TRADE REPORT

The prices given are those obtained by importers, or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

London, September 23: The slightly brighter trend noted in the markets last week was again maintained, though trading was far short of what could be described as a satisfactory level for the time of year, particularly in the CRUDE DRUGS sector. The threat of a national dock strike and publicity about current delays in handling goods at British ports have not sparked off any extra inquiry for spot material.

Shortage of Cape Aloes, Portuguese Ergot and Quassia were still reported. The price of Curação aloes has gradually been falling during the past few months whilst the Cape variety has been hardening with the result that there is no longer the large price differential between the two varieties. The continuance of this trend could well result in Cape users switching to the Curação variety. Menthol prices again eased with the Chinese variety one shilling per lb. down for shipment and the Brazilian variety a few pence lower in both positions. In Aromatic Seeds, Indian Celery at 160s. per cwt., c.i.f., was up by 5s. and Moroccan Cumin retained its firm tone. Holders of old crop Senega reduced their price by sixpence per lb. with the approach of the new season's root.

In ESSENTIAL OILS, Penang PAT-CHOULI prices jumped to 40s. per lb. on the spot (a rise of 7s. 6d. on the week) whilst shipment was quoted 4s. dearer at 36s. 6d., c.i.f. with the supply position somewhat obscure. PEPPER-MINT prices and Chinese ANISE eased a few pence per lb. Dearer were Formosan and Chinese CITRONELLAS, Indian GINGER and CARDAMOM.

In Pharmaceutical Chemicals, quotations for Caffeine were marked down with the B.P. 2s. 9d. per kilo less and the Citrate down by 1s. 1d.

An application for temporary removal of import duty of PHTHALIC ANHYDRIDE has been refused by the Board of Trade. Supplies have been tight for several months and faced with an ever increasing demand, British producers have made arrangements to step up their output.

Pharmaceutical Chemicals

AMIDOPYRIN. — Per lb. 16s. 8d. for 5-cwt. lots; 1-cwt., 17s. 5d.

AMINACRINE. — HYDROCHLORIDE, B.P., is £26 per kilo.

Amphetamine, — Base is 150s, per kilo in 5-kilo lots and sulphate, 120s.; Dexamphetamine, 270s, per kilo for 10 kilos.

AMYLOBARBITONE. — B.P.C. is 74s, per kilo for less than 25-kilo lots. Sodium is 10s, per kilo more.

Atropine. — Per oz. for 16-oz. lots: alkaloid and methonitrate, 39s.; methylbromide, 38s. 6d.; sulphate, 34s. (1,181s. for 1-kilo).

BARBITONE. — SODIUM derivative is 58s. 3d. per kilo for less than 25-kilo lots. BEMEGRIDE.—B.P.C. is 320s. per kilo. BENZOCAINE.—B.P. is 11s. 9d. per lb. in 1-cwt. lots.

Brucine. — In 1,000-oz. lots, Alkaloid is 16s, per oz. and sulphate, 13s. 6d. per oz.

BUTOBARBITONE. — B.P.C., 80s. per kilo for 25-kilo lots and over.

CAFFEINE.—HYDRATE in 50-kilo lots and over, 25s. 4d. per kilo; citrate, 19s. 10d.

CHLORAL HYDRATE. — One-cwt. lots 4s. 1d. per lb.

Chlorocresol.—Pharmaceutical quality, 7s. 7d. per lb. (1-cwt. 1ots).

Chloroform. — 35-litre lots in winchesters, B.P., 11s. 5½d. per litre; in drums, 10s. 7d.; 175-litre lots, 11s. and 10s. 1½d.

Chlorphenesin. → 50-kilo lots are 72s. 6d. per kilo.

CINCHOCAINE. — HYDROCHLORIDE, B.P., is 975s. per kilo.

COCAINE. — 35-oz. lots hydrochloride, 105s. per oz.: Alkaloid, 115s. per oz. Subject to D.D.A. Regulations.

Cyclobarbitone.—Under 25 kilos: B.P., 73s. per kilo. Calcium, 80s. per kilo.

DINOESTROL.—B.P. is 1s. per gm. for 5 kilo lots.

DITHRANOL.—B.P. offered at 6s. 9d. per oz. for 7-lb. lots.

DOMIPHEN BROMIDE. — B.P.C. grade, 34s. 6d. per lb. in 1-cwt. lots.

Ergometrine.—Maleate, B.P., 144s. per gm. for 20-gm. lots; tartrate, 27s. 6d. per gm. for 10-gm. lots.

ERGOTOXINE. — ETHANESULPIIONATE, 10-gm. lots, B.P. '32, 60s. per gm. B.P.C. '49, 72s, 6d

Guaiacols. — Liquid B.P.C., 16s. per lb., for 1-cwt. lots; crystals, 15s. 9d.; carbonate, 18s.

HEXOBARBITONE. — 25-kilo lots or over, 115s. per kilo.

Homatropine. — 16-oz, lots (per oz.): alkaloid, 30s. 6d.; hydrobromide, 24s. 6d.; hydrochloride, 28s. 6d.; methylbromide, 25s. 6d. 1-oz, rates are 1s. 6d. per oz. above those rates.

Hyoscine hydrobromide.—Per oz. 102s. and per kilo, 3,419s.

Lactose. — B.P. in 1-ton lots packed in 1-cwt. paper-lined sacks, £129 10s, per ton, delivered in the United Kingdom.

METHYL PHENOBARBITONE.—B.P.C., 78s. per kilo for less than 25-kilo lots.

NARCOTINE. — ALKALOID and HYDRO-CHLORIDE, 12s. 6d. per oz. (440s. 6d. kilo) for under 35-oz. lots,

OPIATES.—Home trade prices (per kilo) subject to D.D.A. Regulations:—

		1 Ki and o		Under 1 Kilo		
CODEINE		s.	d.	5.	d.	
ALKALOID	•••	1,903	0	1,939	0	
HYDROCHLORIDE		1,665	0	1,701	0	
PHOSPHATE		1,445	0	1,480	0	
SULPHATE		1,665	0	1,701	0	
MORPHINE		′		· ·		
ACETATE		1.762	0	1.798	0	
ALKALOID		.2,159	0	2.194	0	
HYDROCHLORIDE		1,762	0	1,798	0	
SULPHATE		1.762	0	1.798	0	
TARTRATE	•••	2.115	0	2.150	0	
ETHYLMORPHINE		-/		,		
ALKALOID		2,229	0	2,265	0	
HYDROCHLORIDE	•••	1,903	0	1.939	0	
DIAMORPHINE		,		,		
ALKALOID		2,106	0	2,141	0	
HYDROCHLORIDE		1,930	Ŏ	1.965	ō	

Containers below 1-kilo charged 1s. 6d. per container.

Paraldehyde. — B.P. in 12-winchester lots, 2s. 10d. per lb. (6s. 3d. kilo); 10-gall. carboys, 2s. 4d.

PENTOBARBITONE.—25-kilo lots and over are 107s, 6d. per kilo.

PETHIDINE HYDROCHLORIDE.—Subject to D.D.A. Regulations, 5-kilo lots, 300s. per kilo.

PHENOBARBITONE. — Spot rates 50-kilo lots, 47s. 6d. per kilo; less than 25-kilos, 50s. 6d. Sodium salt, 55s. 6d. per kilo for less than 25-kilo lots.

PHOLCODINE.—8-oz. lots, 95s. 9d. per oz. (3,377s. per kilo).

PHTHALYL SULPHATHIAZOLE. — Five-kilo lots, 31s. per kilo.

QUINALBARBITONE.—Sodium salt is 110s. per kilo for 25-kilos and over.

Succinyl sulphathiazole, — Five-kilo lots, 38s. 6d. per kilo.

SULPHACETAMIDE. — 50-kilo lots, 54s. per kilo; sodium, 66s. 2d.

SULPHADIAZINE.—Five-kilo lots, 65s. per kilo; 50-kilo lots, 60s.

SULPHADIMIDINE. — 50-kilo lots are 60s. per kilo.

Sulphaguanidine.—100-kilo lots, about

19s. 6d. per kilo.

SULPHAMETHIZOLE, — Per kilo — 5-kilo

lots, 100s.; 50-kilos, 95s.
Sulphanilamide.—50-kilo lots, 13s. 1d.

per kilo,
SULPHAPYRIDINE. — Five-kilo lots, 120s. per kilo.

SULPHATHIAZOLE. — 100 kilos, 32s. per kilo; 50 kilos, 33s.

Industrial Chemicals, Solvents

ACETALDEHYDE. — The 100 per cent. is £122 per ton minimum 1-ton lots.

ACETATES. — Per ton, spot in drums: AMYL, technical, £254 and B.S.S., £256. BUTYL, £136; ETHYL, £113; ISOBUTYL (80 per cent.), £111 and pure, £115; ISOPROPYL, £110; METHYL, 80 per cent., £142.

ACETIC ANHYDRIDE. — 12-ton lots £103 per ton; 2½-ton, £107, tanker deliveries.

ACETONE. — One-ton lots spot, £66 per ton in drums.

N-BUTYL ALCOHOL. — One-ton lots in drums, £127 per ton and one-drum lots, £136 per ton.

Carbon tetrachloride. — In 40-gall. drums, 1 ton and under 2 tons, £83 15s.; 4 tons and upwards, £82 5s.

ISOPROPYL ALCOHOL. — Technical grade (99 per cent.) in tank car lots from 4s. 6d. to 4s. 8d. per gall.; anhydrous in drums, 7s. 1d. to 7s. $4\frac{1}{2}$ d. per gall.; in bulk, 6s. 11d. to 7s. 1d.

METHYL ETHYL KETONE. — One-ton lots, £111 10s, per ton.

NAPHTHALENE. — Contract rates for phthalic grade are from £25 per ton in bulk, ex works; lower crystallising whizzed grades from £20 to £25 per ton ex works; ball and flake, £71.

PHTHALATES. — Prices (per ton) one-ton lots in drums: DIBUTYL, £165; DI-ISOBUTYL, £160; DI-ETHYL, £174; DI-METHYL, £163.

PHTHALIC ANHYDRIDE.—Domestic material quoted at £90 per ton.

SODA ASH.—Four-ton lots, 232s. 6d. per ton delivered.

STEARATES. — Spot prices for minimum 1-ton lots. — ALUMINIUM (all grades), 253s. 6d. per cwt. CALCIUM (precipitated), 243s. 6d. LEAD (30 per cent.), 223s. 6d.; MAGNESIUM (standard). 272s. and (superfine), 302s. ZINC, 226s, to 286s. as to grade.

SULPHUR. — (Per ton). SUBLIMED FLOWERS, B.P., £55; TECHNICAL, £50; GROUND, £18 to £20; PRECIPITATED, B.P., £105; ROLL, £27 10s. All ex store.

Crude Drugs

ACONITE. — Spot, Spanish napellus, 2s. 8d. per lb.; shipment, 2s. 6d., c.i.f.

AGAR. — Kobé No. 1, 12s. 6d. per lb. in bond; September—October shipment, 12s. 3d., c.i.f. Spanish, 15s., duty paid, to arrive.

ALOES. — Primes, 260s. per cwt. spot. Shipment, 255s., c.i.f. nominal. Curação,

ANISE. — Chinese STAR, 140s. per cwt. spot, duty paid; f.a.q. for shipment, 112s. 6d., c.i.f.

ARROWROOT, — St. Vincent from 1s. 3d. to 1s 6d., as to grade.

Balsams. — Per lb.: Canada: Spot 19s. to 23s. 6d. Copaiba: B.P.C. grade, 9s. to 10s. Peru: Spot short at 9s. 6d. Tolu: B.P., from 10s. 6d. to 27s. 6d.

BAY.—LEAVES, 1s. 9d. per lb., spot.

BELLADONNA—HERB, 3s. per 1b., spot. LEAVES, 3s. 3d., c.i.f. ROOT, 1s. 8d. per 1b., spot; shipment, 1s. 7d., c.i.f.

BENZOIN. — Sumatra block spot from £20 to £40 per cwt. as to quality, B.P.C. quality remains scarce.

Buchu. — Spot value, 4s. 9d. per lb.; shipment, 4s., c.i.f.

CALAMUS. — ROOT, 100s. per cwt., spot, 87s. 6d., c.i.f.

CAMPHOR.—B.P. powder spot, 5s. 8d. in bond: shipment, 5s. 4d. per lb., c.i.f.

CARDAMOMS. — Aleppy greens, 10s. 6d. oer lb. spot; shipment, from 9s. 6d. to 10s. 8d., c.i.f., as to quality.

Cascara. - Spot, 235s. per cwt.; shipment, 220s., c.i.f.

Cassia.—Fistula, 105s. per cwt. landed; lignea (whole), for prompt shipment, 177s. 6d., c.i.f.; selected broken, 167s. 6d.,

CHAMOMILE.—Belgian new crop expected to be higher at around 19s. per lb.

CHERRY BARK. — Thin natural, 1s. 9d. per lb.; shipment, 1s. 7½d., c.i.f.

CHILLIES — Zanzibar, 240s. per cwt. spot; shipment, 215s., c.i.f. Mombasa spot, 160s.; shipment, 130s., c.i.f.

CINNAMON. — QUILLS, Ceylon (per lb., c.i.f.): 4 O's, 9s. 2d.; single O, 7s. 4d.; quillings, 5s. 9d. Bark, Seychelles, 90s. cwt. spot.

CLOVES. — Zanzibar spot 2s. $10\frac{1}{2}$ d. per lb. standard grade; shipment, 2s. 7d.,

COCHINEAL — Canary Isles silver-grey 22s. 6d. per lb., black brilliant, 28s., spot. Peruvian silver-grey, 15s. 6d. per lb., spot.

Cocillana.—Bark 1s. 7d. per lb. on the

DIGITALIS.—Purpurea leaves, 2s. 6d. per

ELEMI.—Spot, 1s. 11d. per lb.; shipment: new 1s. 6d., c.i.f. crop, September-October,

Ergor.—Portuguese, 10s. 6d. per lb. spot nominal; shipment, 10s., c.i.f., nominal. East European, 8s. 6d. and 8s., c.i.f.

GENTIAN.—Root, 190s, per cwt. spot; shipment, 185s., c.i.f.

GINGER.—(Per cwt.) African, spot, 320s. per cwt. Jamaican No. 3 spot, 610s.; September shipment, 555s., c.i.f. Cochin for shipment, 370s., c.i.f.

GUM ACACIA.—Kordofan cleaned sorts, 167s. 6d. pcr cwt. spot; September-October shipment, 153s., c.i.f.

HENNA. - Indian, for shipment, 66s.,

HONEY. — (Per cwt.). Australian light amber, 135s. to 140s, and medium amber, 110s. to 115s. (October delivery); Argentine, 122s. 6d. to 127s. 6d.; Canadian, 175s.; Mexican, 125s. to 130s., all exparaboluse warehouse.

IPECACUANHA.—Matto Grosso for shipment, 60s. per lb., c.i.f. and spot from

63s. to 65s., as to test. Colombian 65s. c.i.f.; spot, 67s. Costa Rican, 87s., c.i.f. and 93s. to 94s., spot, as to test.

Karaya. — No. 1 f.a.q. gum, spot, 400s.; No. 2, 335s. per cwt.

KOLA NUTS. - African, 6d. spot and $5\frac{1}{2}$ d. per lb., c.i.f.

Lanolin, — Anhydrous B.P., is from 1s, 10d, to 2s. 1d. per lb. in 1-ton lots delivered free drums.

LEMON PEEL.—Spot, 2s. 3d. per lb.; partially extracted, 1s. 6d.

LINSEED. — Whole, 72s. 6d. per cwt.; crushed, 110s.

LIQUORICE.—Natural root: Russian 65s. per cwt.; Anatolian, 57s, 6d.; Anatolian decorticated, 170s. Block juice: Anatolian, 210s, to 220s. per cwt.; Italian stick from 395s, to 460s. per cwt.

LOBELIA. — Herb. Dutch on the spot, 4s. 6d. to 5s. 3d. per lb.; new crop, 4s. 6d., c.i.f.

MACE.—Whole pale blade, 14s. 6d. per lb. on the spot. Shipment, 14s., f.o.b.

MENTHOL.—Chinese: spot, 24s, 6d. per lb., duty paid; shipment, 21s. 6d., c.i.f.; Brazilian, 19s. to 19s. 6d. as to brand, in bond and shipment, 18s. 9d., c.i.f.

MERCURY. — Spot, ex warehouse £105 per flask of 76 lb.

NUTMEGS. — West Indian, spot, 80's, nominal; unassorted, 7s. 9d. per lb.; defectives, 5s. 3d. East Indian for shipment: 80's, 7s. 8d. per lb.; 110's, 7s. 3d.; b.w.p., 4s. 5d., all c.i.f.

NUX VOMICA.—Cochin, 75s, per cwt. on the spot; shipment, 47s. 6d., c.i.f.

ORANGE PEEL. — Spot: Sweet ribbon, 1s. 8d. per lb., bitter quarters: West Indian, 10½d.; Spanish, 1s. 9d.

PEPPER.—White Sarawak spot is 2s. 9½d. to 2s. 10½d. per lb.; shipment, 2s. 9d., c.i.f. Black Sarawak spot, 2s. 6½d., shipment, 2s. 3½d., c.i.f. Black Malabar is cleared on the spot; shipment, 322s. 6d.,

PIMENTO. — Spot quoted at 690s. per cwt.; shipment, 600s., f.o.b.

Podophyllum.—Spot per cwt.: Emodi, 220s. (205s., c.i.f.); Peltatum, 200s.

Pyrethrum. — Extracts — partially dewaxed, 25 per cent. pyrethrins, 69s. to 65s. 6d. per lb.; pale, 82s. 6d. to 79s.; crude oleoresin, 60s. 6d.

QUASSIA. — Supplies virtually unobtain-

QUILLAIA. - Spot, 120s. per cwt.; shipment, 100s., c.i.f.

RHUBARB.—Good manufacturing, offered at 8s. 6d. per lb.; No. 1, 15s. 6d.

SAFFRON. - Mancha superior, 275s. to 280s. per lb., spot.

SARSAPARILLA. — Jamaican native red spot, 3s. per lb.; shipment, 2s. 9d., c.i.f. Jamaican native red nominal.

Sassafras. — Brazilian is from 2s. 4d.

per lb.

SEEDS. — (Per cwt.). ANISE.—Spanish, 280s., duty paid. CARAWAY.—Dutch, 130s., duty free. CELERY.—Indian unchanged at 160s., spot; shipment dearer with sellers quoting 160s., c.i.f. CORIANDER. — Quiet, Moroccan on spot, 62s. 6d., duty paid; shipment, 45s. 6d., c.i.f. CUMIN.—Firm. Moroccan spot is 285s., duty paid; shipment, 215s., c.i.f. DILL. — Indian, 90s. spot; shipment, 74s., c.i.f. FENNEL. — Indian is nominally 165s., spot; shipment, 150s., c.i.f. FENUGREEK. — Moroccan, 48s., duty paid; shipment firmer at 34s. 6d., c.i.f. MUSTARD.—English, 40s. to 55s. according to quality.

SENEGA.—Old crop, 17s. 6d. per lb. on

SENEGA.—Old crop, 17s. 6d. per lb. on the spot. New-crop for shipment, 17s., c.i.f.

Valerian root. — Spot: East European, 175s. per cwt.; Indian, 175s. Shipment: Continental, 172s. 6d. to 214s.,

Essential and Expressed Oils

ALMOND.—Imported sweet oil is 7s. 3d. per lb., spot.

AMBER.—Rectified on the spot, 2s. per

ANISE.—Chinese, 10s. 6d. per lb., spot; shipment, 10s., c.i.f.

BAY.—West Indian about 25s. per lb. on the spot.

BERGAMOT.—Spot quotations for 38 per cent, oil are about 99s, per lb.

Bois DE Rose.—Brazilian, 17s. 6d. per lb. on the spot; shipment, 16s., c.i.f.

Buchu.—Spot, 250s. to 360s. per lb. as

CAJUPUT.—Spot, from 10s. per lb.

CALAMUS.—Spot, Indian, from 60s. per

CAMPHOR, WHITE. — Chinese, 2s. 6d. duty paid, per lb.; shipment, 4s. $4\frac{1}{2}$ d., c.i.f., per kilo.

CARDAMOM.—Indian from 215s. per lb., spot.

CEDARWOOD. — American from 7s. 6d. per lb. on the spot.

CELERY SEED. — Quotations are from 116s. per lb.

CINNAMON.—Best English-distilled, 720s. per lb.; other B.P. oils from 22s. to 120s. per lb. Ceylon leaf, 20s.; Seychelles from 8s. 6d., spot.

CITRONELLA. — Ceylon spot, 8s. 3d., shipment, 7s. 3d. per lb., c.i.f. Formosan, in bond, 6s. 4½d., and shipment, 6s. 2d.; Chinese, 6s. 4½d., in bond, 6s. 2d., c.i.f.

CLOVE.—Madagascar leaf spot, 7s. 14d. per lb., duty paid; shipment, 6s., c.i.f. Rectified, 10s. Distilled bud-oil, ENGLISH B.P., 26s. per lb. for 1-cwt. lots.

CORIANDER.—From 38s to 45s. per lb., spot, as to origin.

CUMIN.—English distilled oil, 130s. per lb., imported, 90s. to 120s.

EUCALYPTUS. — B.P. 70-75 per cer 5s. 9d. per 1b.; 80-85 per cent., 6s. 9d.

GINGER. — Imported (per lb.): Indian, 200s.; Chinese, 75s.; Jamaican, 132s. 6d.

LAVANDIN.—From 22s. 6d. to 28s. 6d. per lb. as to quality.

LAVENDER SPIKE.—Spanish, 21s. per 1b. LEMONGRASS. — Spot, 8s. 3d. per lb.; shipment, 8s., c.i.f.

LIME. — West Indian distilled, 58s. per lb. on the spot.

Orange.—Floridan sweet oil, 5s. to 6s. per lb. West Indian, 10s.; Spanish, 16s. 6d. to 18s.

—Shipment, 52s. 6d. per 1b. PALMAROSA. c.i.f.; spot, 60s.

PATCHOULI. — Penang is 40s. duty paid and 36s. 6d., c.i.f. per lb.

PEPPERMINT. — Arvensis: Chinese spot 7s. 6d. per lb., shipment, 7s. 3d., c.i.f. Brazilian spot, 6s. 10½d., shipment, 6s. 9d., c.i.f. Piperita: Italian, 48s. to 60s., spot; American from 30s. per lb. as to make.

Petitgrain. — Paraguay, 15s. 3d. per lb. spot; shipment, 14s. 3d., c.i.f.

ROSEMARY.—Spanish, 13s. 6d. per lb., duty paid.

Rue.—Spanish is 23s. 6d. per lb., spot. THYME.—From 20s. to 22s. 6d. per 1b. as to test.

UNITED STATES REPORT

NEW YORK, SEPTEMBER 22: Tahitian VANILLA BEANS were raised 25 cents to \$4 a lb. and also higher was SER-PENTARIA at \$7.50, up 50 cents. PAT-CHOULI OIL moved up from a previous \$3.75 to \$4.10 a lb. Lower per lb. was Peruvian Bois De Rose at \$2.40, down five cents, largely because of greater sales pressure on the oil from Brazil.

The perfect foods for the growing child

Cow & Gate

Dairy Junior Foods



... now available in the 12 delicious varieties mothers have asked for.

As from October 1964 the **new** range of Cow & Gate Dairy Junior Foods will be backed by extensive sales stimulating full colour advertisements in the leading Women's and Nursing magazines. Be sure **you** can meet the demand we will create.

Attractive promotional material will be sent on application to Cow & Gate Ltd., Dept. 160, Guildford, Surrey.

Bonus of 1/- per case (of 2 dozen tins) on all orders received by **31st October**, 1964.

Order now direct or through your wholesaler.

6808T

Produced by the Makers of

COW& GATE WILK

The FOOD of ROYAL BABIES

TWELVE VARIETIES

CREAMED SEMOLINA AND

CARAMEL

MILK PUDDING

CREAMED SEMOLINA AND

HONEY

MILK PUDDING

CREAMED SEMOLINA AND

CHOCOLATE

MILK PUDDING

CREAMED SEMOLINA AND

APPLE

MILK PUDDING

CREAMED SEMOLINA AND

MANDARIN

MILK PUDDING

CREAMED

SEMOLINA

MILK PUDDING

CREAMED

TAPIOCA

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CREAMED

SAGO

MILK PUDDING

CREAMED

GROUND RICE

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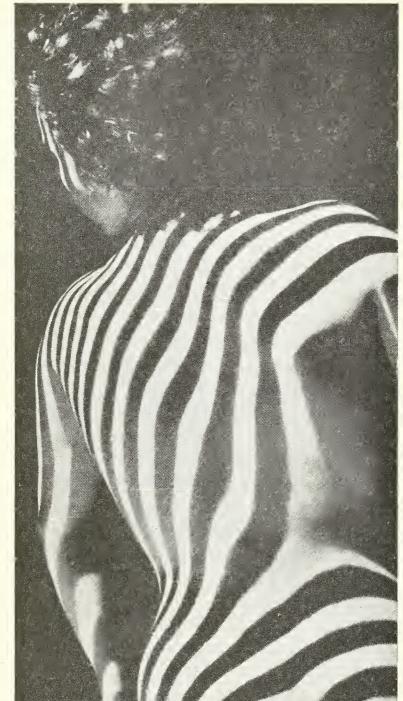
BARLEY

MILK PUDDING

CREAMED PORRIDGE

EGG CUSTARD

FROM ALL CHEMISTS
6 oz tins for only 9d



D64CDI

the sales sensation of the Continent now advertised HERE to make heavy profits for YOU...

badedas

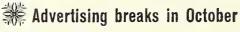
vitamin bath gelee with extract of horse chestnut





Now read how badedas will make money for you

It's quite unlike anything your customers have tried before • It contains plant oils, 5 skin vitamins, extract of horse chestnut • It cleanses deep, tones, invigorates all over • It foams – but it's not soap • It has the scent of a sunlit forest • Massive Continental sales *Prove* that customers come back for more and more.



Big colour and black-and-white advertisements in

Evening Standard Reader's Digest Town and Queen

Stock up to meet the demand!

your profits come alive with

badedas

SOLE AGENT FOR U.K.:- GEDRGE SPENCER AND SON LTD., 1 KYNANCE PLACE, GLOUCESTER RD., LONDON, S.W.7. Tel: KNI 8741

PRINT AND PUBLICITY

Into the Open

POINTING out that British men are "now showing an active interest in the daily use of a deodorant," Shulton (Great Britain), Ltd., 100 Brompton Road, London, S.W.3, state that deodorant advertising has nevertheless confined itself hitherto to "either veiled respectable clichés or a broad coverage of the theme of the social inacceptance of those with noticeable perspiration." They believe the time has come for "straight talking on what, after all, is now an open subject," and have prepared a series of Press advertisements for their Old Spice deodorants along those lines. The headline is "Are you man enough to use deodorant?"

PRESS ADVERTISING

COLGATE-PALMOLIVE, LTD., 76 Oxford Street, London, W.1: Tackle invisible medication for men, In Daily Mirror, Daily Sketch, Reveille, Weekend and Tit-bits, From mid-October.

Cow & GATE, LTD., Guildford, Surrey: Cow & Gate dairy junior foods. In women's and

nursing magazines, Cussons, Sons & Co., Ltd., Kersal Vale, Manchester, 7: Royal Guard Christmas gift sets. In Daily Mail.

D'ORSAY PERFUMERY DISTRIBUTORS, D'Orsay House, Northampton Grove, London, N.1: D'Orsay perfumes, In Vogue, Flair, Woman and Home, Tatler, Sunday Times, Illustrated London News, Queen and Ob-

Server.

DUNLOP RUBBER CO., LTD., P.O. Box 151, Cambridge Street, Manchester, 1: Dunlop hotwater bottles. In Woman's Own, Woman and Housewife, Everywoman and Good Home. Housekeeping.

GERHARDT-PENICK, LTD., Thornton Laboratories, Purley Way, Croydon, Surrey: Dethmor rat and mouse killer. In every leading farming Rinoxin rat and mice killer. In journal. national farming magazines.

GOLDEN, LTD., Berkeley Square, London, W.1: Color-Glo. In national Press.

LIQUERUTA LABORATORIES, 43 Clapham Road. London, S.W.9: Liqufruta herbal cough medicines. In Daily Express, The Sun, News of the World, Sunday Mirror and Daily Mirror. From November 10.

MYRAM PICKER, LTD., Surbiton, Surrey: Miners hair products. In Daily Mirror, Honey, Flair, Romeo, Valentine, Marilyn, Fabulous, Boy-friend, Mirabelle, True Story, True Romances, Photoplay and Woman's Story.

RECKITT & SONS, LTD., Hull, Yorks: Disprin. In major newspapers.

ROBINSON & SONS, LTD., Wheat Bridge Mills, Chesterfield: Paddi pads. In women's magazines and specialist publications.

THERMOS, LTD., Ongar Road, Brentwood, Essex: 55 range of vacuum jugs, In daily and Sunday newspapers and all women's and leisure magazines. During pre-Christmas period.

KENNETH WESTON MARKETING, LTD., Granary House, Burton-on-Trent: Yestamin brewers' yeast. In Woman, Sunday Mirror and Woman's Own.

WHITEWAYS CYDER CO., LTD., Whimple, Devon: Sanatogen tonic wine, In national daily and Sunday newspapers and leading women's magazines.

W. Woodward, Ltd., 43 Clapham Road, London, S.W.9: Woodward's gripe water. In Daily Express, Daily Mirror, Sunday Mirror, News of the World, Woman's Own, True Story, True Romances, Photoplay, Woman's Story, Mothercare, Baby Book, Mother, Mother and Baby and Parents, From October 30.

PUBLICATIONS

Catalogues

KODAK, LTD., Kodak House, Kingsway, London, W.C.2: 1964-65 Professional catalogue.

Price Lists

PHARMETHICALS (LONDON), LTD., Victoria Way, Burgess Hill, Sussex: Price list of the ethical pharmaceuticals of Schering A.G., Berlin.

WILLS

MR. H. BELLRINGER, 19 Newlands Drive, Prestwich, Lancs, who qualified as a chemist and druggist in 1905, left £4,906 (£4,836 net).

MR. C. F. CUTCLIFFE, M.P.S., 20 Metford Grove, Redland, Bristol, left £12,044 (£11,003

net).

MR. W. M. INGLIS, M.P.S., Conyers, Church Road, Angmering, Sussex, left £2,303 (£2,095 net).

DR. E. B. C. MAYRS, Collin Grove, Dunmurry, co. Antrim, Northern Ireland, Emeritus professor of pharmacology, Queens University, Belfast, left personal estate in Great Britain and

estate in Northern Ireland valued at £287,444.

MR. A. H. MILLARD, F.P.S., 89 Warminster
Road, Westbury, Wilts, left estate in Great
Britain valued at £4,423 (£4,322 net).

Mr. F. Perrett, 11 Brookfield Park, N.W.5, who qualified as a chemist and druggist in 1900, left £30,808 (£30,690 net).

MR. I. E, POSTGATE, M.P.S., 67 Main Street, Egremont, Cumberland, left £21,576 (£20,834 net). MR. J. REED, M.P.S., School House, St. Ann's Road, Faversham, Kent, left £9,757 (£9,601 net).

MR. G. A. TURNER, M.P.S., 169 Malvern Road, Worcester, left £33,076 (£32,366 net).
MR. R. WILLIAMS, 308 Park Road, Cwmparc, Treorchy, Glam, managing director of Nipa Laboratories, Ltd., left £21,034 (£20,947 net).

COMMERCIAL TELEVISION

Figures in these columns represent the number of appearances of the "spot" during the week

October 4-10			London	Midland	North	Scotland	Wales	South	North-east	Anglia	Ulster	Westward	Border	Grampian	Eireann	Channel fs.	W.&N.Wales
Alka-Seltzer			2	1	2	3	_	3	_	2	3	2	2	3	2	3	_
Anadin			3	7	3	6	3	1	3	3	4	2	1	4		—	_
Andrew's liver salt		• • •	1	1	1	1	1	1	1	1	1	—	1	1	_	_	-
Askit powders and tablets	• • •	• • •	_	_	_	14	_	_	_	_	_	_	5	3	—	—	_
Beecham's powders	•••	•••	4	5	3	5	4	4	3	5	3	3.	3	1	_	5	_
Cuticura preparations	• • •	• • •	2	2	2	_	_	_	—	—	_	_	_	_	_	—	_
Dentu-Creme	• • • •		1	1	2		1	2	_	1	2	3	1	1	_	1	
Dethmor	• • •	• • • •	_	1	1	_	1	1	1	1	_	_	_	_	_	—	—
Euthymol tooth-paste	•••	•••	1	1	1	1	1	_	1	1	1	_	_	1	_	_	_
Farlene	• • •	• • •	1	1	_	—		_	_		-	_	—	—	—	_	_
Gillette razor blades	• • •		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Glovelies	•••	•••	_	2	_		_	—		_	_	_	_	_	_	—	_
Halaspray	•••	•••	2	2	2		_	2	2	—		_	_	_	—	_	_
Loxene shampoo	• • •		1	1		1	1	1	_	1	1	1	1	1	4	—	_
Milk of Magnesia tablets	•••	•••	3	3	3	3	_	3	2	3	3	4	2	2	—	3	-
Phyllosan	• • •		3	3	3	3	3	_	2	3	_	_	_	_	-	_	—
Radox			3	4	_	_		3	_	3	_	_	—	_	_	—	
Rinstead pastilles	• • • •		1	1	1	1	1	1	_		1	1	-			_	_
Setlers	•••	• • • •	1	—	1	—	_	2	_	_	1	1	_	—	-		_
Wright's coal tar soap		•	1	2	1	_	1	2	2	1		2	2	_	-	—	1

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion,

Sunday, September 27

READING BRANCH, PHARMACEUTICAL SOCIETY. Visit to Whipsnade Zoo.

Monday, September 28

INTERNATIONAL FACTORY EQUIPMENT EXHIBITION, Belle Vue, Manchester. Until October 3. NOTTINGHAM BRANCH, PHARMACEUTICAL SOCIETY, 64 St. James's Street, Nottingham. Discussion evening. Guest speaker: Mr. H. Steinman (treasurer, Pharmaceutical Society).

Tuesday, September 29

DARTFORD BRANCH, PHARMACEUTICAL SOCIETY, Royal Victoria and Bull hotel, High Street, Dartford, at 8 p.m. Mrs. S. Godfrey (Richard Hudnut, Ltd.) on "The Full Range of Cosmetics and Hair Preparations."

OILS AND FATS GROUP, SOCIETY OF CHEMICAL INDUSTRY, Lecture Theatre, Imperial College of Science and Technology, Prince Consort Road, London, S.W.7, at 6 p.m. Professor W. O. Lundberg (Director, The Hormel Institute, Minnesota, United States) on "Some Recent Developments in Fat Nutrition."

SLOUGH BRANCH, PHARMACEUTICAL SOCIETY, Beech Tree hotel, Maxwell Road, Beaconsfield, at 8 p.m. Mr. R. Huntley (Royal Seed Establishment) on "Flowers from Seed."

Wednesday, September 30
BOURNEMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Cornelia nurses' hostel, Poole general hospital, Poole, at 1 p.m. Mr. E. C. Tees (Beneard Allergy Division, Beecham Research Laboratories, Ltd.) and film, "Allergy."

DURHAM. NEWCASTLE AND NORTHUMBERLAND,

SUNDERLAND and TEES-SIDE BRANCHES, PHAR-MACEUTICAL SOCIETY, Three Tuns hotel, Durham, at 7.45 p.m. North-east regional conference.

LEIGESTER AND LEIGESTERSHIRE BRANCH, PHARMA-CEUTICAL SOCIETY, Lancaster hall, Leigester, at 7.30 p.m. Social evening.

LONDON COUNTY PHARMACEUTICAL ASSOCIATION, 17 Bloomsbury Square, London, W.C.1, at 8 p.m. Discussion of the proposed changes in the constitution of the Council of the Pharma-ceutical Society, Mr. F. W. Adams (a secre-tary and the registrar) will be present to explain the proposals.

MANCHESTER PHARMACEUTICAL GOLFING SOCIETY,
Hopwood golf club, Manchester. Four-ball Stableford competition, (Invitation meeting.)

Thursday, October 1
BOURNEMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Post-graduate medical centre, Boscombe, Bournemouth, at 7.45 p.m. "British Poisonous Plants " (recorded lecture).

Plants (ecoloded fectuary)

Bristol Branch, Pharmaceutical Society, Old council house, Corn Street, Bristol, 1, at 7.30 p.m. Miss M. A. Burr (a member of Council) on "The Proposed New Structure of the Council."

CHESTER BRANCH, PHARMACEUTICAL SOCIETY, The Blossoms hotel, Chester, at 8 p.m. Mr. T. McSweeney (an orthopaedic surgeon) on "The British Orthopaedic Mission to Moscow, 1964."

EXECUTIVE COUNCILS' ASSSOCIATION (ENGLAND), Leas Cliff hall, Folkestone, Kent. Annual meeting, Until October 2.

GLASGOW AND WEST OF SCOTLAND BRANCH, PHAR-MACEUTICAL SOCIETY, Students' union, University of Strathclyde, John Street, Glasgow, at 7.45 p.m. Mr. C. W. Maplethorpe (president of the Society) on "The Proposed New Constitution of the Council."

Friday, October 2

SOUTHEND-ON-SEA BRANCH, PHARMACEUTICAL SO-CIETY, Queens hotel, Hamlet Court Road, Southend-on-Sea, at 8 p.m. Mr. J. Curtis on The Essex Countryside." (Ladies' night.)

Advance Information

EUROPEAN FEDERATION OF CORROSION, Frankfurt-on-Main, Western Germany, March 31 to April 2, 1965.

WORLD TRADE

Chile Denies Devaluation Specula-tion. — Chile's Central Bank general manager has denied Press speculation on a possible post-election devaluation of the escudo against the United States dollar. He said the reports were false and added that the free market and official dollar quotations were stabilised.

Austrian Trade Liberalisation.—Following an Austrian Government decision to liberalise import of several additional categories of goods from October 1, only a few items will in future be subject to licensing restrictions. They include antibiotics and solid caustic soda. Caustic soda will be liberalised with effect from the end of 1965. No liberalisation date can yet be fixed for antibiotics owing to the special situation in these sectors, the Board of Trade said.

German Pharmaceutical Plant in Pakistan.—A new factory of Farbenfabriken Bayer, A.G., has started operations in Karachi, Pakistan. The plant will manufacture and finish pharmaceutical products under the name of Bayer-Pharma, Ltd. All machinery as well as the technical "know-how" for the building and operation of the new factory have been supplied by the West German parent company. Bayer-Pharma, Ltd., which was founded in 1963, has an equity of two million rupees of which Farbenfabriken Bayer hold 55 per cent. The remainder is in Pakistani hands.

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," September 2 For photographic apparatus for making a filmed record of articles together with the person presenting such articles (9)

REGISCOPE, 859,310, by Regiscope Corpora-

tion of America, New York, U.S.A.
For photographic and cinematographic cameras and projectors, and parts and fittings (9) MOTH, 863,995, by Rank Precision Industries,

Ltd., London, S.W.1.

For photographic apparatus and instruments; and photographic cameras (9)
RANGER, B864,195, by Rank Precision Industries, Ltd., London, S.W.1.

For projection screens (9)
MIRAMA, 864,432, by Andrew Smith Harkness, Ltd., Boreham Wood, Herts,

For photographic apparatus and instruments and parts (9)

SNIPE, 865,405, by Ilford, Ltd., Ilford. Essex. For medical and surgical spraying apparatus and parts and fittings (10)

METERMATIC, 866,107, by Revlon, Inc., New York, U.S.A.

For combs and sponges; brushes, etc. (21)

MOTHERCARE, B860,198, by Mothercare, Ltd., London, S.W.2.

From the "Trade Marks Journal," September 9

For chemical products for use in the manufacture of herbicides (1)

ARESIN, 856,517, by Farbwerke Hoechst. A.G. vormals Meister Lucius & Brüning, Frankfort on Main-Hoechst, Germany.

For acetate preparations for use in the manufacture of perfumery (1)

ACETATE DE VERDYLE, 863,862, by L. Givaudan & Co., S.A., Geneva, Switzerland. For artificial sweetening materials (1) and for sweetening materials (30)

DI-MIN, 861,417-18, by Boots Pure Drug Co., Ltd., Nottingham.

For all goods (1)

MAPP, B860,868, by Dow Chemical Co., Midland, Michigan, U.S.A. DESMODAL, 864,209, by Farbenfabriken Bayer, A.G., Leverkusen, Germany. SOVEL, 864,895, by Industrial Soaps, Ltd., London, E.1, ROHAGIT, 865,590, by Röhm & Haas, G.m.b.H., Darmstadt, Germany.

THE CHEMIST AND DRUGGIST

For preparations for waving the hair and shampoos (3)

REALISTIC SMARTLY SOFT, B828,364, by Realistic Co., Cincinnati, Ohio, U.S.A.

For preparations for waving the hair, and sham-poos, all being in cream form (3)

REALISTIC CREMEY 8, B828,367, by Realistic Co., Cincinnati, Ohio, U.S.A.

For soaps, perfumes, non-medicated toilet preparations, essential oils, cosmetics, preparations for the hair, and dentifrices (3)
GRAFFITI, 852,449, by Parfums Capucci,

Paris, France.

For lipsticks (3)
GINGER SNAP, 860,586, by Care Laboratories, Ltd., London, W.1.

For all goods (3)

JILIAN, B860,989, by M. Caplan & Co. (Cash & Carry), Ltd., Manchester, 3.

For pharmaceutical, veterinary and sanitary sub-

stances, all for medicinal use (5) Device with letters M S D, 844,223, by Merck

& Co., Inc., Rahway, New Jersey, U.S.A.

For hormonal preparations for human use (5)
TRIOMONE M.P., 851,525, by Marsha
Pharmaceuticals, Ltd., London, W.C.2. Marshall's

For pharmaceutical and veterinary preparations and substances, all in tablet form or for use by injection (5)

PERICHOLAN, 857,840, by C. H. Boehringer Sohn, Ingelheim on Rhine, Germany.

For all goods (5) CALMOTAR, 859,262, by Roche Products, Ltd., Welwyn Garden City, Herts, GURON-SAN, 864,659, by Chugai Seiyaku, K.K., Tokyo, Japan, VAGETTES, 865,518, by Ortho Pharmaccutical Corporation, Raritan, New Jersey, U.S.A. SEDABOND, 866,444. RYNA-BOND, 866,446, by Fisons Pharmaccuticals, Ltd., Loughborough, Leics, ORPHENISOL, 866,209, by N.V. Koninklijke Pharmaceutische Fabricken V/H Brocades-Stheeman & Phar-

macia, Amsterdam, Holland. For veterinary substances and preparations (5) TERITAN, 859,739, by West Pharmaceutical Co., Ltd., Hove, Sussex.

For bactericides, disinfectants and sanitary substances (5)

TOPANOX. 862,659, by Imperial Chemical Industries, Ltd., London, S.W.1.

For pharmaceutical preparations and substances (5)

DOXINATE, 864,524, by Farbwerke Hoechst, A.G. vormals Meister Lucius & Brüning, Frankfort on Main-Hoechst, Germany,

For medicated preparations for oral administra-

tion in the relief of indigestion (5)
JALMAR, 864,686, by Boots Pure Drug Co., Ltd., Nottingham.

For medical, pharmaceutical and veterinary pre-

parations and substances (5) NETOVAX, NOCAVAX, SCARIVAX, 865,457-59, by Wellcome Foundation, Ltd., London, N.W.1.

For veterinary substances (5)
ORANEZOLE, 865,572, by Willows Francis,
Ltd., London, E.8.

For pharmaceutical preparations (5)

NORMOSPAS, 865,787, by Lepetit, S.p.A., Milan, Italy,

For pharmaceutical preparations and substances, containing benzocaine (5)

CETROCAINE, 865,931, by E. H. Butler & Son, Ltd., Leicester,

For pharmaceutical and veterinary preparations containing iron (5)

FERROTIPS, 856,934, by Crookes Laboratories, Ltd., London, N.W.10.

For safety razor blades (8)

Device with words MAC'S SMILE DE LUXE, 856,260, by Irish Cutlery Co., Ltd., Enniscorthy, Wexford, Ireland.

For photographic apparatus and parts (9)

OPTIMA, B858,017, by Agfa, A.G., Leverkusen-Bayerwerk, Germany.

For eve-pieces and objectives (lenses) for optical instruments; photographic apparatus and instru-ments; field glasses; microscopes, microphotographic apparatus, cinematographic cameras, projection apparatus (photographic and cinematographic) (9)

PERIPLAN, 863,275, by Ernst Leitz, G.m.b.H., Wetzlar, Germany.

For optical, photographic and cinematographic apparatus and instruments and parts (9)

SKYLARK, SKYFLEX, 866,052-53, by Rosley, Ltd., Wembley, Middlesex.

For photographic, cinematographic and optical apparatus; and parts and fittings (9)

LODESTAR, 866,351, by Kodak, Ltd., London, W.C.2.
For all goods (10)

CUSA, 861,759, by William Warne & Co., Ltd., Barking, Essex.

For syringes for injections; and syringes containing injections; all for medical, dental and veterinary use (10)

DUOJECT, 864,098, by Organon Laboratories, Ltd., Morden, Surrey.

CONTEMPORARY THEMES

Subjects of contributions in current medical and technical periodicals

GOUT. Practitioner, September.
VIRUS PESTICIDES. Discovery, September.

Discovery, FOAMS - in theory and practice. September.

INSECTICIDE RESISTANCE. The continuing challenge of. World Health Organisation Chronicle, September.

PENICILLIN SENSITIVITY. J. Amer. med. Ass., August 24.

IMIPRAMINE AND THIORIDAZINE, J. Amer. med. Ass., August 24.

GUANETHIDINE in Hyperthyroidism, J. Amer. med. Ass., August 24.

PODOPHYLLUM RESIN POISONING. J. Amer. med. Ass., August 24.

OVARIAN FUNCTION during and after Long-term Treatment with Ovulation Inhibitors, Lancet, September 12.

IODINE DEFICIENCY after treatment of Thyrotoxicosis with Antithyroid drugs. Lancet, September 12.

LINCOMYCIN HYDROCHLORIDE: Clinical and laboratory studies. Brit. med. J., September 12.

LIPSTICK DYES. Determination of by thin layer Chromatography. Drug and Cosmetic Ind., August.

FILLING AEROSOL COLOGNES. Drug and Cosmetic Ind., August.

QUINACILLIN: A comparison with other penicillinase-resistant penicillins. Nature, September 12.

A COMPARISON of effects of some Chemotherapeutic agents and those of x-rays. Nature, September 12.

WOOD PRESERVATIVES: The use of organotin compounds. Tin and its Uses, 1964, No. 64. INFLUENCE of psychological stress on the specific cardiotoxicity of drugs. Nature, September 19.

ISOPRENALINE, Mechanism of reversal of the Vasomotor effect of. Nature, September 19. SERUM CHOLESTEROL in surgical patients. J. Amer. med. Ass., August 31.

ANTIBIOTICS. Cutaneous reactions to. J. Amer.

med, Ass., August 31.
INACTIVATED MEASLES VACCINE. Epidemiologic study of. J. Amer. med. Ass., September 7.

METHOREXATE THERAPY in psoriatic arthritis.

J. Amer. med. Ass., September 7.

Penicillamine Therapy for hepatolenticular de-

generation. J. Amer. med. Ass., September 7. Tranylcypromine sulphate, Re-evaluation of.

J. Amer. med. Ass., September 7.
PRODUCTION OF ANTIBODIES to food proteins in

domestic cattle. Vet, Rec., September 19.
Conversion of p,p' DDT to p,p' DDD in the liver of the rat. Science, September 4.

Prednisone. Treatment of herpes zo high doses of. Lancet, September 19. zoster with

TETRACYCLINE. Discoloration of primary dentition after maternal tetracycline ingestion in pregnancy, Lancet, September 19.

Analgesics, Hepatocellular lipofuscin after excessive ingestion of analgesics. Lancet, Sep-

tember 19.

PROPRANOLOL (Inderal). Effect of in Angina Pectoris. Brit. med. J., September 19.
PROPRANOLOL (Inderal). Double-blind trial of in Angina of effort. Brit. med. J., September 19.
PROPRANOLOL (Inderal). Use of in treatment of Hypertension. Brit. med. J., September 19.

PHENINDIONE sensitivity. Brit. med. J., September 19.



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BRAND NEW STEEL SHELVING HEAVY GAUGE

Free delivery, N. Scotland, Ire-land, I.O.M. 10% extra.

71" high × 34" wide, 12" deep with 6 shelves as illustrated. C.W.O.orC.O.D.

Each shelf will hold over 3 cwt. Shelves adjustable every 2". Stove enamelled dark green. White enamel units \$0% extra.

			No. of		Price each	Extra
Height	Width	Depth	Shelves	Price	3 or more	Shelves
71"	34"	9"	6	58/-	56/-	7/-
71"	34"	12"	6	60/-	58/-	8/-
71"	34"	15"	6	69/-	67/-	9/6
71"	331,"	18"	6	81/-	79/_	11/6
85"	34"	12"	6	68/-	66/-	8/-
95"	42"	12"	4	041	947	31/

HANDY DRAWER UNIT **BRAND NEW**

42" high, 13" wide, 12" deep, 20 DRAWERS: 5" wide, 3" high, 11½" long. Stove enamelled dark green. Direct from manufacturers. Write C.\

manufacturers. Write C now for list of other sizes C.W.O. or C.O.D.

Buy direct from the manufacturers.
ROCHDALE METAL PRODUCTS
Dept. C.D., Shawclough Works, Waterfoot,
Rossendale, Lancs. ROSsendale 2450
Contractors to H.M. Government and United
Kingdom Atomic Energy Authority
EXPORTERS OF STEEL SHELVING



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IS VOTED THE BEST!

Hundreds of letters from women and girls who have tried NIKINI have said again and again that it is . . .

The best sanitary protection obtainable!

... complete protection ... superbly comfortable . . . most economical. Make sure of your share in this success story.

Attractive, compelling advertisements are appearing repeatedly in the mass circulation women's magazines. Take advantage of this campaign.

SPECIAL RETAILER **DISCOUNTS**

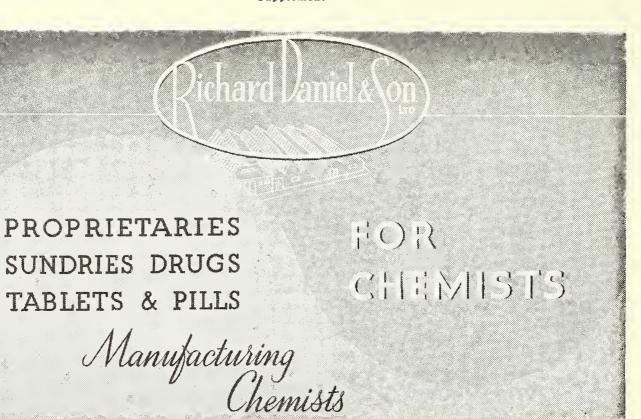
In addition to the usual profit margin you may obtain an extra discount of from $2\frac{1}{2}\%$ to 10% on your orders for NIKINI AND NIKINI PADS. Ask for details . . . NOW.

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ROBINSON & SONS LIMITED WHEAT BRIDGE MILLS, CHESTERFIELD. TEL: 2105 (11 LINES)



HEAD OFFICE & WORKS: MANSFIELD ROAD, DERBY. Tel: 40671 (10 lines) BRANCH WAREHOUSE: GROSVENOR ST., ASHTON under LYNE. Tel: 5161 (9 lines) Tel: Holmewood 481 (7 lines) NORTH WINGFIELD ROAD, GRASSMOOR.

Tidiness increases efficiency!

STOREMASTER 20C

20 drawers all 8" wide, 7" high, $10\frac{7}{8}$ " long, each with white identification card and transparent washable cover.

Overall cabinet size: 42" high, 35" wide, 12" deep. Stove enamelled dark green. £14.15.0



54 DRAWER UNIT

Overall size 42" high x 35" wide x 12" deep. 54 drawers, each 5\frac{1}{4}" x 3" x $10\frac{7}{8}$ ", complete with one divider, white card and transparent protective shield per £18.0.0 drawer.



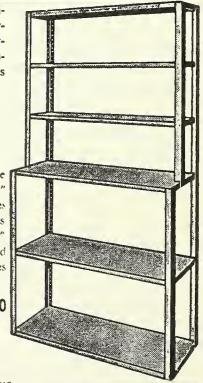


Efficiency demands tidiness, tidiness demands satisfactory storage. Our vast range of steel storage equipment covers every aspect and includes the solutions to your storage problems.

LEDGE TYPE SHELVING

The ideal shelving unit for the storage of jars, bottles etc. 73" high x 36" wide with 3 shelves 12" deep and lower 3 shelves 18" deep giving a ledge 37" from the floor. Unassembled ready for erection. Other sizes available. Prices on request.

Price as illustrated £5.5.0



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(Dept. C91) Eagle Steelworks, Heywood, Lancs. Tel. 69018 N. C. BROWN LTI London: (Dept. C91) 5/6 Staple Inn. W.C.1. Tel. Holborn 5223

Can you offer one brand of baby foods covering cereals, strained foods and junior foods?

Not until now Not until Gerber.

Gerber-world's leading baby foods.

Dramatic new-style advertising starting now.

Big-money campaigns. TV starts October 5th.

Women's magazines. 1st advertisement Woman's Own.

September 30th. Specialist 'mother and baby'

magazines—beginning in October numbers.

Medical/nursing magazines—running now.

Also – direct personal recommendation by Gerber advisory teams at clinics.

More and more mothers buy ready-prepared baby foods.

Eight out of ten already buy three times a week, or more.

Gerber will stimulate this trend. Gerber are specialists—they only feed

babies. Babies love Gerber foods. Test market confirmed this.

Stockists had big accelerating sales from start—often 40-50% of

their total baby food sales. Gerber for first-ever complete

range of baby foods—Cereals, Strained and Junior.

BROWN & POLSON LIMITED, GERBER DIVISION,

BERESFORD AVENUE, WEMBLEY, MIDDLESEX. Telephone WEMbley 8808



Babies are our business ... our only business

She knows you understand her problems...

As a pharmacist, you are confronted daily with the special problems of the woman over thirty-five. Often she is feeling 'low' because of nerviness, tension and inability to get to sleep. Frequently she complains of undue tiredness. In cases like this, Bemax can usually help a lot. Its high Vitamin B content will help her nerves and digestion, while the protein will provide the extra energy she needs. To help you to help your customers, Vitamins Limited provide the following thoroughly reliable preparations, for prescription and counter:

BEMAX the richest vitamin-protein-mineral supplement known to man. **VITAVEL SYRUP** helps to keep children fit and maintain resistance to infection.



Test market success proves mothers want Gerber

- * When Gerber and Brand X were stocked side by side, 147 Gerber units were sold to every 187 of Brand X.
- * TYPICAL CHEMIST CASE HISTORY: Messrs Mills & Mills, North Street, Bristol 3.

1st order	1.10.63	Full range	36 varieties
1st repeat	18.10.63		11 varieties
2nd repeat	6.11.63		29 varieties
3rd repeat	2.12.63		32 varieties
4th repeat	3.1.64		15 varieties
5th repeat	3.2.64		15 varieties
6th repeat	3.3.64		20 varieties
7th repeat	27.3.64		25 varieties
8th repeat	27.4.64		22 varieties

Total order: 289 dozen . . . 40% of their total baby food business!

Messrs Mills & Mills prove it . . . stocking the full Gerber range brings high volume! SO ORDER BIG

WHEN YOUR GERBER SALESMAN CALLS!





Babies are our business ... our only business



The active constituent of Camomile Oil AZULENE

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The modern form of herbal extracts EXTRAPONES

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and DRUGGIST'S

TRADE EXHIBITION.

— Cologne —

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NEW BONUS PARCEL No. 18 PARCEL No. 910 4 pcs. No. 20 Retail 5/6d 4 pcs. VS. I Retail 5/6d 4 ,, No. 21 ,, 7/6d 4 ,, VS. 2 ,, 7/6d 4 ,, No. 22 3 ,, VS. 3 ,, 9/6d 9/6d 4 ,, VS. 4 ,, 8/6d Cost W.S.P 50/6 -Return 90/-3 ,, VS. 5 ,, 10/6d

PLUS - 2 pcs VS. I - FREE OF CHARGE Cost W.S.P. 82/6 - Return 157/-

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always ask for a hot water bottle by its first name -Dunlop

Nearly 20 million readers of WOMAN'S OWN, WOMAN AND HOME, HOUSEWIFE, EVERYWOMAN and GOOD HOUSEKEEPING will see and remember this attractive illustration and compelling headline many times in the coming months.

And among these readers are plenty of potential customers for you. They will be asking to see the Dunlop range in *your* shop. So be prepared. Stock up with the top dozen by Dunlop—the five shown below and these other sure sellers-

SIZES 2 and 3, moulded bottles at 6/6 and 7/- respectively; COSILINE at 8/9; QUILTIE, with brushed fabric coat, 12/-; RENOWN, with a handle, in lavender shade, 9/3; ESKIMO/BEAR, a kiddies' bottle at 9/9; and the DEEP SLEEP, with similar features to the Cosimax, at 27/6.

STOCK UP



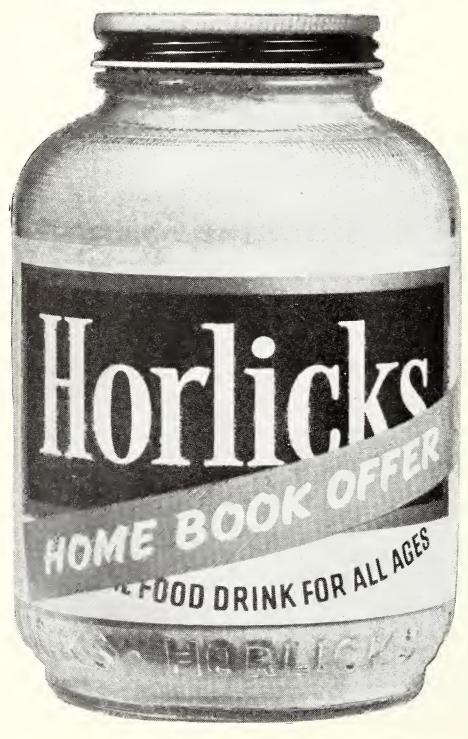




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SUPPLIES FROM YOUR USUAL WHOLESALER

This is the jar that will make you extra sales!



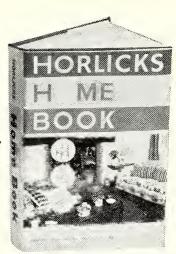
If your customer could buy the new Horlicks Home Book in the shops, the cost would be 25/-. But with the label from this Horlicks 1 lb. jar, plus one other Horlicks label from any size, plain or chocolate, it can be hers for just 9/-.

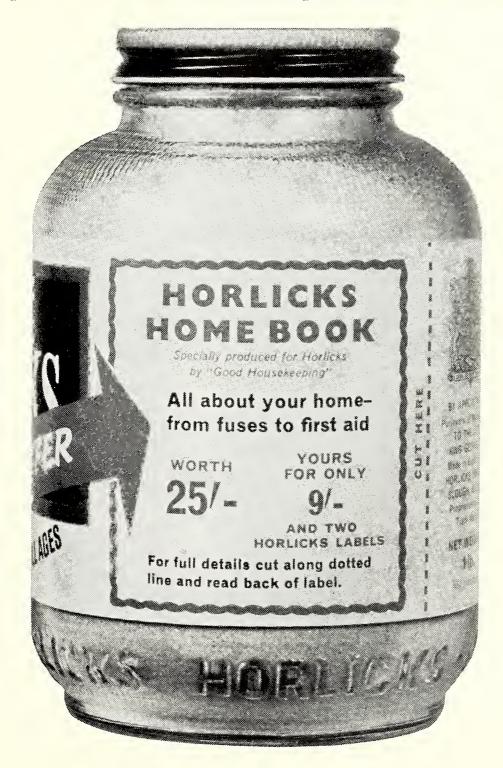
The Horlicks Home Book has been specially produced for Horlicks by Good Housekeeping. It is illustrated and full of practical information—a truly worthwhile 'save money' offer. And one that makes **you** extra sales without extra work.

Horlicks jars with the 'Home Book' label are available now. **Show them well to show maximum profits.** Horlicks Ltd., Slough, Bucks.

Special Note! Horlicks T.V. advertising starts October!

More 'spots' than ever before—backed with powerful Press and Poster support!









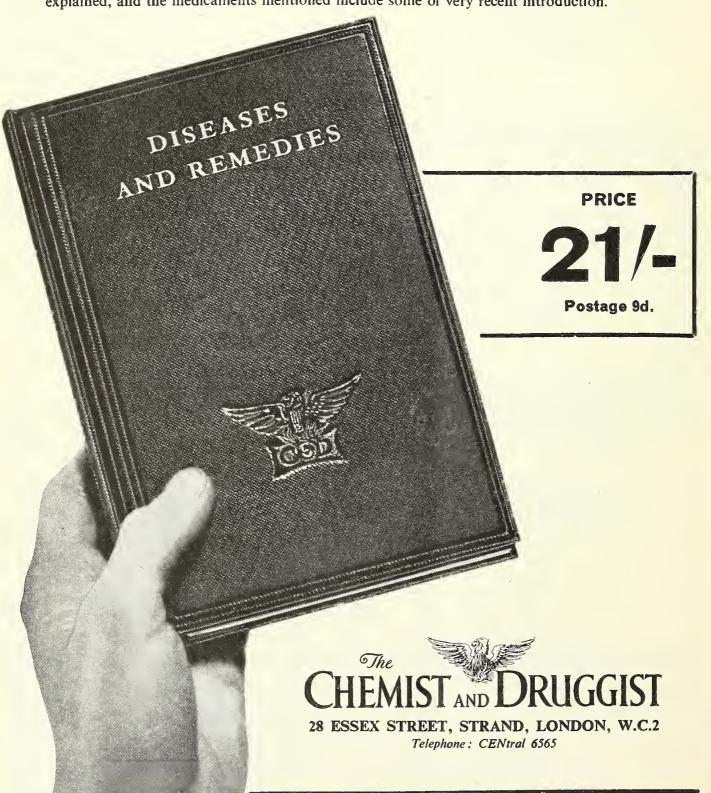
The greatest supporting act in the business!

Display these brand leaders, and sales of *each* increase! That's a proven fact Stock Phillips, Scott & Turner family health products and you get: special display terms; generous profit margins and convenient 'parcel' terms; vigorous and persistent advertising support; rapid and rewarding business. That's a firm promise.

THE PHILLIPS, SCOTT & TURNER COMPANY · ST MARK'S HILL · SURBITON · SURREY

a C&D classic NEW EDITION NOW AVAILABLE

DISEASES AND REMEDIES. A concise survey of the most modern methods of medicine. providing pharmacists (as well as nurses, physiotherapists, dieticians and almoners) with a textbook of information on the treatment of diseases and the drugs used. Accepted methods are explained, and the medicaments mentioned include some of very recent introduction.



CHALLENGE AND OPPORTUNITY

Retail chemists in the United Kingdom are facing their biggest-ever challenge from non-professional outlets. Not only the challenge to progress, but perhaps in many cases to survival.

This challenge can be met and, in doing so, an opportunity produced which will guarantee a profitable, progressive future greater than ever before. Rexall has a Partnership Plan for every retail chemist who will stand by what he believes in and will take action.

It is impossible to explain our plan to you in this announcement, but if you are seeking a positive and progressive plan of action to beat the challenge, why not let us know right away. We want to meet you personally to talk it over.



REXALL DRUG COMPANY, 19/37 CASTLE BOULEVARD, NOTTINGHAM.

MONOGRAM to reach 70% of all British homes in largest advertising campaign ever put behind an electric blanket

It's a fact! TWICE as many people sleep under a Monogram as under any other electric blanket. It's the only electric blanket with Sleep-Guard*: a Monogram can't get too hot for safety! It's the entirely new kind of electric blanket that accidents don't happen to.



Double spreads and full pages in colour and black and white will be telling this good news in Woman, Woman's Own, Good Housekeeping, Reader's Digest, Woman's Journal, Homes and Gardens, Sunday Times Magazine—to 70% of all British homes. Right through the entire selling season when 80% of all electric blankets are sold.



To reinforce this advertising . . new merchandise material, new displays, new consumer leaflets. And, as always, one thrilled Monogram owner telling another . . . the most effective advertising of all.



Going to get YOUR share of the high profits that Monogram sales bring in?



* Regd, Trade Mark

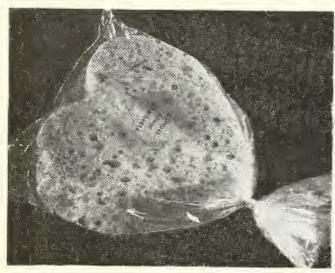
RADIAN-B Aspirin Spirit Liniment RADIAN-B Spirit Dressing



RADIAN MASSAGE CREAM RADIAN BATH SALTS RADIAN OVALS RADIAN SOOTHING CREAM RADIOL Veterinary Products AND-ASPELLIN (E.C 10 only)

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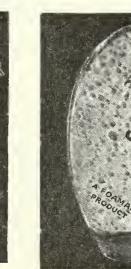
proudly present their NEW FOAM SPONGE RANGE



STANDARD PERFUMED HEART SHAPED FOAM SPONGES

Individually packed in printed polythene bags. Available in 5 colours and 5 different perfumes





SUPER SOFT FOAM BABY SPONGES

BABY SPONGES

IDEAL XMAS GIFT FOR HER!

presentation Casket. Available in Mauve (Lavender), Pink (English Rose), Yellow (Verbena), Blue (Freesia),

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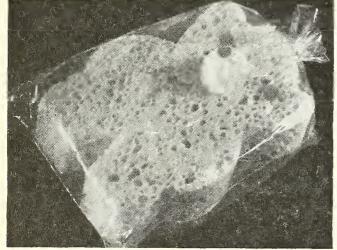
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Pharmacist
(Basic Grade), £761-£1,019 per annum, for interesting work in a well equipped Pharmacy. Applications, giving full details and naming two referees, to Administrator.

C 9506

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Senior Pharmacist required for an expanding hospital. National Scale of Salaries payable. Applications in writing, stating experience and the names and addresses of two referees, to be sent to the Hospital Secretary.

C 9509

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ASHFORD, KENT
Senior Pharmacist (Category III)
required to take charge of busy Pharmaceutical Department. Duties mainly at Ashford Hospital, with good supporting staff. Interesting, responsible post in pleasant dispensary offering valuable experience.
Whitley Council Conditions of Service and salary scale.
Applications together with the names and

Applications, together with the names and addresses of two referees, to the Hospital Secretary, Willesborough Hospital, near Ashford, Kent, to reach him as soon as possible.

CAMBERWELL HOSPITALS
MANAGEMENT COMMITTEE
Chief Pharmacist (Category I)
Applications invited for the post of Chief
Pharmacist (Category I), St., Francis' Hospital, Constance Road, S.E.22, Salary £898
x 8 increments to £1,233 p.a. plus London
Weighting Allowance.
Apply Group Secretary, Dulwich Hospital,
East Dulwich Grove, S.E.22. Locum considered.

C 9460

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HOSPITAL
MANAGEMENT COMMITTEE
Deputy Chief Pharmacist
Applications are invited for the appointment
of Deputy Chief Pharmacist to the Group
Pharmaccutical Department (Category IV
Hospitals). The Department, which is
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the area. Salary scale £898 to £1,223 per
annum, Applications with full details and
names of 2 referees to be sent as soon as
possible to the Group Secretary, Central
Office, Nunnery Fields Hospital, Canterbury.

C 9497

CENTRAL GROUP
HOSPITAL
MANAGEMENT COMMITTEE
Locium Pharmacist
required for holiday relief duties in Hospitals
within the group. Scptember 28 to October
3, 1964, Salary £20 19s. Applications to the
Chief Pharmacist, Metropolitan Hospital,
Kingsland Road, E.8. CLI, 6862. C 663

GATESHEAD AND DISTRICT HOSPITAL

HOSPITAL
MANAGEMENT COMMITTEE
Pharmacist

Applications are invited from suitably qualified and experienced persons for the above post. The successful applicant will be required to work within the Gateshead Group of hospitals, Pharmaceutical Whitley Council "C" salary and conditions of service apply.

Applications stating age, previous experience, etc., should be sent together with the names and addresses of two referees to the undersigned,

undersigned,
H. Clark, Group Secretary, "The Lodge,"
Queen Elizabeth Hospital, Sheriff Hill, Gateshead, 9, Co, Durham, C 6302

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EAST DULWICH GROVE,
LONDON, S.E.22
Pharmacist, whole-time or part-time, and
Dispensing Assistant required
Whitley Council terms and conditions, Apply
to the Chief Pharmacist, Dulwich Hospital,
East Dulwich Grove, London, S.E.22. C 9499

FULBOURN HOSPITAL,
CAMBRIDGE
Chief Pharmacist (Category I)
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Chief Pharmacist (Category I). Salary and
conditions of service in accordance with the
Pharmaceutical Whitley Council recommendation

Pharmaceutical Whitey Council Tecon-mendation.

The post is subject to the National Health Service (Superannuation) Regulations.

Applications stating age, experience, etc., with names of two referees should be addressed to the Group Secretary. C 9512

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ILFORD, ESSEX
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Part-time — 23 hours per week.
Council pay and conditions.
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Locum Pharmacist
required at the above hospital, Modern department, Every third Saturday morning off,
Previous hospital experience not essential,
Salary £19 19s, per week, Applications to
the Chief Pharmacist (Telephone STE, 1222,
Ext. 219), C9491

LONDON JEWISH HOSPITAL, STEPNEY GREEN, E.1

required at the above hospital, Modern department giving good general experience. Every third Saturday morning off, Previous hospital experience not essential. Whitley Council conditions of service and salary. Applications in writing stating age, qualifications and experience together with the names of two referees to the Chief Pharmacist. C 9490

Appointments—Continued

MEDWAY AND GRAVESEND HOSPITAL MANAGEMENT COMMITTEE ALL SAINTS' HOSPITAL, CHATHAM, KENT

Deputy Chief Pharmacist (Category IV)

required at the above hospital, which also serves a sub-group of four other hospitals. Salary £898—£1,223 p.a.

Salary £898—£1,223 p.a.

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Applications should be addressed to the Hospital Secretary stating age, qualifications, experience and the names of two referees.

C 9507

MOORFIELDS EYE HOSPITAL

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Applications are invited for the post of Pharmacist at the above Hospital, This is a Category V Post-graduate Teaching Hospital with a modern, well-equipped pharmacy. Whitley Council salary and conditions of service. Applications, stating age and qualifications, with names of two referees to the Chief Pharmacist, Moorfields Eye Hospital, City Road, London, E.C.1. C 9484

MOORFIELDS EYE HOSPITAL

Dispensing Assistant

Dispensing Assistant

Applications are invited for the post of Dispensing Assistant at the High Holborn Branch, London, W.C.1. Preferably with the Certificate of Society of Apothecaries or other recognised qualification. Whitley Council salary and conditions of service. Apply, in writing, giving names of two referees, to the Chief Pharmacist, Moorfields Eye Hospital, City Road, London, E.C.1.

MOORFIELDS EYE HOSPITAL

Locum Pharmacist

required from 28th September, Applications to the Chief Pharmacist, Moorfields Eye Hospital, City Road, London, E.C.1, C 9485

NEWMARKET GENERAL HOSPITAL

Dispensing Assistant

required in modern Group Pharmacy, Ideal working conditions, alternate long weekends. Applications giving age, experience and names of two referees to the Group Pharcolist C 9518

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To undertake duties at the hospitals managed by the West Tyrone and the Tyrone and Fermanagh Hospital Management Commit-

Salary scale £851—£1,113 per annum.
Applications with full details to the Secretary, Tyrone County Hospital, Omagh, Northern Ireland.

C 6366

NORTH WIRRAL HOSPITAL MANAGEMENT COMMITTEE, VICTORIA CENTRAL HOSPITAL, LISCARD ROAD, WALLASEY, CHESHIRE

Pharmacist

full-time. Salary according to scale agreed by the Whitley Council. Applications to Hospital Secretary. C 9474

PADDINGTON GENERAL HOSPITAL, HARROW ROAD, W.9 Locum Pharmacist

required for indefinite period, Apply immediately to the Hospital Secretary, C 666

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Pharmacist
required for interesting and varied duties.
Salary on scale £761 to £1,019 per annum according to previous professional experience.
Applies tions exteriors are detailed. Applications stating age, details of training, posts held, names of referees, to the Hospital Secretary, from whom further information may be obtained.

ROYAL FREE HOSPITAL

Applications are invited for the post of Pharmacist at the above Hospital. Whitley Council salary scale with extra pay for evening clinics, Apply naming two referees to Group Chief Pharmacist, Royal Free Hospital, Gray's Inn Road, W.C.1. C 679

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EDINBURGH AND
ASSOCIATED HOSPITALS
Pharmacist

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C 9500

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Pharmacist

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C 9510

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Locum Pharmacist

full-time, immediately part-time or sessional required immediately.

Apply: Chief Pharmacist, St. Giles' Hospital, St. Giles' Road Camberwell, S.E.5.

(RODney 4221.)

€ 9463

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Senior Pharmacist

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Pharmacist

Pharmacist

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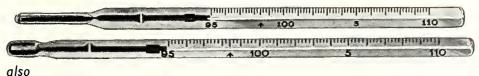
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